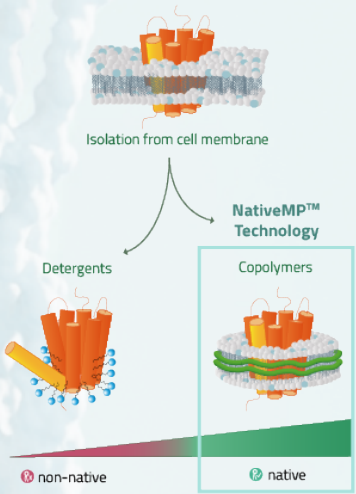
Our NativeMP™ Targets — only at Cube Biotech

NativeMP™ Technology

Superior Stabilization via Co-polymer Isolation

The NativeMP™ Advantage

NativeMP™ targets are full-length, wild-type membrane proteins extracted directly from the cell membrane. By utilizing proprietary co-polymers instead of detergents, we preserve the protein's native conformation and its essential surrounding lipid bilayer.



Expression & Purification

- **Mammalian & Insect Hosts**
  This ensures correct folding and native post-translational modifications.
- **High-Specificity Capture**
  Our C-terminal Rho1D4-tag system enables high purity with minimal structural interference.
- **Standardized Workflow**
  Every target undergoes a two-step purification to ensure removal of aggregates and unwanted buffer components.

Quality Control

- **Analytical Homogeneity**
  We use Dynamic Light Scattering (DLS) to confirm monodisperse populations free of aggregates before and after freeze-thaw analysis.
- **Thermal Profiling**
  NanoDSF analysis to ensure thermal stability of particle.
- **Verified Identity**
  Purity and molecular weight are confirmed via standardized SDS-PAGE and Western Blotting.

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Price Overview

Complexity	50 µg	100 µg	500 µg+	Biotinylated	Empty Discs
1	$6,610	$11,020	Inquire*	+ $690	+ $276
2	$7,840	$13,060	Inquire*	+ $690	+ $276
3	$9,060	$15,100	Inquire*	+ $690	+ $276

**For 1mg+ contact servicesolution@cube-biotech.com.*
Prices exclude tax and shipment (from Germany ,DAP).

Optional Add-ons

- **Biotinylated Copolymer:** Enables direct immobilization for SPR/ELISA without modifying the protein.
- **Matching Empty Discs:** The ideal experimental control for accurate background noise subtraction.

Catalog Quick Navigation

Click on a category name below to jump directly to the target list.

- **ABC Transporters** ..... View Table (23 entries)
- **Aquaporins** ..... View Table (12 entries)
- **Claudins** ..... View Table (9 entries)
- **Enzymes** ..... View Table (2 entries)
- **GPCRs** ..... View Table (55 entries)
- **Integrins** ..... View Table (8 entries)
- **Ion Channels** ..... View Table (23 entries)
- **Receptors** ..... View Table (42 entries)
- **SLC Transporters** ..... View Table (47 entries)
- **Tetraspanins** ..... View Table (7 entries)
- **Others** ..... View Table (7 entries)

- **Total NativeMP™ Targets 235**

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ABC Transporter

Target	Full Name	UniProt	Complexity
ABCA1	Phospholipid-transporting ATPase ABCA1	O95477	2
ABCA2	ATP-binding cassette sub-family A member 2	Q9BZC7	3
ABCA3	Phospholipid-transporting ATPase ABCA3	Q99758	2
ABCA4	Retinal-specific phospholipid-transporting ATPase ABCA4	P78363	2
ABCA6	ATP-binding cassette sub-family A member 6	Q8N139	2
ABCA12	Glucosylceramide transporter ABCA12	Q86UK0	2
ABCB1	ATP-dependent translocase ABCB1	P08183	1
ABCB6	ATP-binding cassette sub-family B member 6	Q9NP58	2
ABCB9	ABC-type oligopeptide transporter ABCB9	Q9NP78	2
ABCB10	ATP-binding cassette sub-family B member 10, mitochondrial	Q9NRK6	2
ABCB11	Bile salt export pump	O95342	3
ABCC3	ATP-binding cassette sub-family C member 3	O15438	2
ABCC4	ATP-binding cassette sub-family C member 4	O15439	2
ABCC5	ATP-binding cassette sub-family C member 5	O15440	2
ABCC6	ATP-binding cassette sub-family C member 6	O95255	Inquire
ABCC8	Familial hyper-insulinemic hyperglycemia	Q09428	2
ABCC9	ATP-binding cassette sub-family C member 9	O60706	Inquire
ABCD1	ATP-binding cassette sub-family D member 1	P33897	Inquire
ABCD3	ATP-binding cassette sub-family D member 3	P28288	2
ABCD4	Lysosomal cobalamin transporter ABCD4	O14678	2
ABCG2	Broad substrate specificity ATP-binding cassette transporter ABCG2	Q9UNQ0	2

Target	Full Name	Members	UniProt IDs	Comp.
Sterolin	Sterolin receptor	ABCG5 / ABCG8	Q9H222 / Q9H221	Inquire
TAP	TAP complex	TAP1 / TAP2	Q03518 / Q03519	Inquire

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Aquaporin

Target	Full Name	UniProt	Complexity
AQP1	Aquaporin-1	P29972	1
AQP2	Aquaporin-2	P41181	2
AQP3	Aquaporin-3	Q92482	3
AQP4	Aquaporin-4	P55087	1
AQP5	Aquaporin-5	P55064	2
AQP6	Aquaporin-6	Q13520	3
AQP7	Aquaporin-7	O14520	1
AQP8	Aquaporin-8	O94778	2
AQP9	Aquaporin-9	O43315	2
AQP10	Aquaporin-10	Q96PS8	2
AQP11	Aquaporin-11	Q8NBQ7	2
AQP12A	Aquaporin-12A	Q8IXF9	2

Claudins

Target	Full Name	UniProt	Complexity
CLDN1	Claudin-1	O95832	1
CLDN2	Claudin-2	P57739	2
CLDN3	Claudin-3	O15551	2
CLDN4	Claudin-4	O14493	2
CLDN6	Claudin-6	P56747	2
CLDN7	Claudin-7	O95471	2
CLDN9	Claudin-9	O95484	1
CLDN18.1	Claudin-18.1	P56856-1	2
CLDN18.2	Claudin 18.2	P56856-2	2

Enzymes

Target	Full Name	UniProt	Complexity
STEAP1	STEAP1 protein	Q9UHE8	1
STEAP4	Metalloreductase STEAP4	Q687X5	2

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GPCR

Target	Full Name	UniProt	Complexity
ACKR1	Atypical chemokine receptor 1	Q16570	2
ACKR2	Atypical chemokine receptor 2	O00590	2
ACKR4	Atypical chemokine receptor 4	Q9NPB9	2
ADORA2A	Adenosine receptor A2a	P29274	2
ADRB1	Beta-1 adrenergic receptor	P08588	2
ADRB2	Beta-2 adrenergic receptor	P07550	2
AVPR1B	Vasopressin V1b receptor	P47901	2
CASR	Extracellular calcium-sensing receptor	P41180	Inquire
CB1	Cannabinoid receptor 1	P21554	2
CB2	Cannabinoid receptor 2	P34972	2
CCR4	C-C chemokine receptor type 4	P51679	2
CCR5	C-C chemokine receptor type 5	P51681	2
CCR7	C-C chemokine receptor type 7	P32248	2
CCR8	C-C chemokine receptor type 8	P51685	3
CCRL2	C-C chemokine receptor-like 2	O00421	2
CRHR1	Corticotropin-releasing factor receptor 1	P34998	1
CXCR3	C-X-C chemokine receptor type 3	P49682	2
CXCR4	C-X-C chemokine receptor type 4	P61073	2
CXCR5	C-X-C chemokine receptor type 5	P32302	2
CXCR6	C-X-C chemokine receptor type 6	O00574	2
DRD1	D(1A) dopamine receptor	P21728	2
DRD2	D(2) dopamine receptor	P14416	2
FZD1	Frizzled-1	Q9UP38	2
GCGR	Glucagon receptor	P47871	1
GHSR	Growth hormone secretagogue receptor type 1	Q92847	2
GIPR	Gastric inhibitory polypeptide receptor	P48546	2
GLP1R	Glucagon-like peptide 1 receptor	P43220	2
GLP2R	Glucagon-like peptide 2 receptor	O95838	2
GPRC5D	G-protein coupled receptor family C group 5 member D	Q9NZD1	2
GPR17	Uracil nucleotide/cysteinyl leukotriene receptor	Q13304	2
HTR7	5-hydroxytryptamine receptor 7	P34969	2
LPAR3	Lysophosphatidic acid receptor 3	Q9UBY5	2
MC1R	Melanocortin receptor 1	Q01726	2
NTSR1	Neurotensin receptor type 1	P30989	2
OPRD1	Delta-type opioid receptor	P41143	2

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Target	Full Name	UniProt	Complexity
OPRK1	Kappa-type opioid receptor	P41145	2
OPRL1	Nociceptin receptor	P41146	2
OPRM1	Mu-type opioid receptor	P35372	2
OR1D2	Olfactory receptor 1D2	P34982	Inquire
OXER1	Oxoeicosanoid receptor 1	Q8TDS5	2
P2RY2	P2Y purinoreceptor 2	P41231	2
P2RY10	Putative P2Y purinoreceptor 10	O00398	Inquire
P2RY11	P2Y purinoreceptor 11	Q96G91	2
PTAFR	Platelet-activating factor receptor	P25105	2
PTH1R	Parathyroid hormone peptide receptor	Q03431	2
S1PR4	Sphingosine 1-phosphate receptor 4	O95977	2
TGR5	G-protein coupled bile acid receptor 1	Q8TDU6	2
TSHR	Thyrotropin receptor	P16473	2
XCR1	Chemokine XC receptor 1	P46094	2

Target	Full Name	Members	UniProt IDs	Comp.
CGRPR	Calcitonin gene-related peptide receptor	CALCRL / RAMP1	Q16602 / O60894	Inquire
AM_1R	Adrenomedullin 1 receptor	CALCRL / RAMP2	Q16602 / O60895	Inquire
AM_2R	Adrenomedullin 2 receptor	CALCRL / RAMP3	Q16602 / O60896	Inquire
AMY_1R	Amylin 1 receptor	CALCR / RAMP1	P30988 / O60894	Inquire
AMY_2R	Amylin 2 receptor	CALCR / RAMP2	P30988 / O60895	Inquire
AMY_3R	Amylin 3 receptor	CALCR / RAMP3	P30988 / O60896	3

Ion channel

Target	Full Name	UniProt	Complexity
CACNG1	Voltage-dependent calcium channel gamma-1 subunit	Q06432	1
KCNA3	Potassium channel Kv1.3	P22001	2
KCNH2/hERG	Potassium voltage-gated channel subfamily H member 2	Q12809	3
MCOLN1	Mucolipin-1	Q9GZU1	1
MCOLN3	Mucolipin-3	Q8TDD5	1
P2RX4	P2X purinoceptor 4 WT	Q99571	2
P2RX7	P2X purinoceptor 7	Q99572	3

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Target	Full Name	UniProt	Complexity
TMEM175	Endosomal/lysosomal proton channel TMEM175	Q9BSA9	2
TRPA1	Transient receptor potential cation channel subfamily A member 1	O75762	2
TRPC1	Short transient receptor potential channel 1	P48995	2
TRPC4	Short transient receptor potential channel 4	Q9UBN4	2
TRPM4	Transient receptor potential cation channel subfamily M member 4	Q8TD43	1
TRPV1	Transient receptor potential cation channel subfamily V member 1	Q8NER1	Inquire

Target	Full Name	Members	UniProt IDs	Comp.
Cav1.1	Voltage-gated calcium channel Cav1.1	CACNA1S / CACNA2D1 / CACNB1 / CACNG1	Q13698 / P54289 / Q02641 / Q06432	Inquire
ClC-7	Chlorid channel 7	CLCN7 / OSTM1	P51798 / Q86WC4	Inquire
Nav1.1-β_1-β_2	Voltage-gated sodium channel Nav1.1	SCN1A / SCN1B / SCN2B	P35498 / Q07699 / O60939	Inquire
Nav1.2-β_1-β_2	Voltage-gated sodium channel Nav1.2	SCN2A / SCN1B / SCN2B	Q99250 / Q07699 / O60939	Inquire
Nav1.3-β_1-β_2	Voltage-gated sodium channel Nav1.3	SCN3A / SCN1B / SCN2B	Q9NY46 / Q07699 / O60939	Inquire
Nav1.4-β_1-β_2	Voltage-gated sodium channel Nav1.4	SCN4A / SCN1B / SCN2B	P35499 / Q07699 / O60939	Inquire
Nav1.5-β_1-β_2	Voltage-gated sodium channel Nav1.5	SCN5A / SCN1B / SCN2B	Q14524 / Q07699 / O60939	Inquire
Nav1.7-β_1-β_2	Voltage-gated sodium channel Nav1.7	SCN9A / SCN1B / SCN2B	Q15858 / Q07699 / O60939	Inquire
Nav1.8-β_1-β_2	Voltage-gated sodium channel Nav1.8	SCN10A / SCN1B / SCN2B	Q9Y5Y9 / Q07699 / O60939	Inquire
Nav1.9-β_1-β_2	Voltage-gated sodium channel Nav1.9	SCN11A / SCN1B / SCN2B	Q9UI33 / Q07699 / O60939	Inquire

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Integrins

Target	Full Name	Members	UniProt IDs	Comp.
$\alpha_1\beta_1$	Integrin $\alpha_1\beta_1$	ITGA1 / ITGB1	P56199 / P05556	3
$\alpha_3\beta_1$	Integrin $\alpha_3\beta_1$	ITGA3 / ITGB1	P26006 / P05556	Inquire
$\alpha_4\beta_1$	Integrin $\alpha_4\beta_1$	ITGA4 / ITGB1	P13612 / P05556	Inquire
$\alpha_6\beta_1$	Integrin $\alpha_6\beta_1$	ITGA6 / ITGB1	P23229 / P05556	Inquire
$\alpha_6\beta_4$	Integrin $\alpha_6\beta_4$	ITGA6 / ITGB4	P23229 / P16144	Inquire
$\alpha_L\beta_2$	Integrin $\alpha_L\beta_2$	ITGAL / ITGB2	P20701 / P05107	Inquire
$\alpha_V\beta_1$	Integrin $\alpha_V\beta_1$	ITGAV / ITGB3	P06756 / P05556	3
$\alpha_V\beta_3$	Integrin $\alpha_V\beta_3$	ITGAV / ITGB3	P06756 / P05106	2

Receptor

Target	Full Name	UniProt	Complexity
AGER	Advanced glycosylation end product-specific receptor	Q15109	Inquire
APP	Amyloid-beta precursor protein	P05067	Inquire
CD4	T-cell surface glycoprotein CD4	P01730	1
CD19	B-lymphocyte antigen CD19	P15391	Inquire
CD20	B-lymphocyte antigen CD20	P11836	1
CD68	Macrosialin	P34810	2
CD163	Scavenger Receptor A (SRA)_CD163	Q86VB7	2
CTLA4	Cytotoxic T-lymphocyte protein 4	P16410	2
EGFR	Epidermal growth factor receptor	P00533	2
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	3
ERBB3	Receptor tyrosine-protein kinase erbB-3	P21860	3
FAS	Tumor necrosis factor receptor superfamily member 6	P25445	3
hPD1	Programmed cell death protein 1	Q15116	Inquire
ITM2B	Integral membrane protein 2B	Q9Y287	Inquire
LAMP1	Lysosome-associated membrane glycoprotein 1	P11279	1
LAMP2	Lysosome-associated membrane glycoprotein 2	P13473	2
LAMP3	Lysosome-associated membrane glycoprotein 3	Q9UQV4	Inquire
LDLR	Low-density lipoprotein receptor	P01130	Inquire
MRC1	Macrophage mannose receptor 1	P22897	1
PRLR	Prolactin receptor	P16471	Inquire
SV2A	Synaptic vesicle glycoprotein 2A	Q7L0J3	2

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Target	Full Name	UniProt	Complexity
TFR2	Transferrin receptor protein 2	Q9UP52	2
TLR4	Toll-lke receptor 4	O00206	Inquire
TLR5	Toll-like receptor 5	O60602	2
TLR7	Toll-like receptor 7	Q9NYK1	Inquire
TLR8	Toll-like receptor 8	Q9NR97	Inquire
TLR9	Toll-like receptor 9	Q9NR96	Inquire
TNFRSF1A	Tumor necrosis factor receptor superfamily member 1A	P19438	Inquire
TNFRSF1B	Tumor necrosis factor receptor superfamily member 1B	P20333	Inquire
TREM2	Triggering receptor expressed on myeloid cells 2	Q9NZC2	2
TYROBP/DAP12	TYRO protein tyrosine kinase-binding protein	O43914	2

Target	Full Name	Members	UniProt IDs	Comp.
EGFR-HER2	EGFR/HER2 heterodimer	EGFR / ERBB2	P00533 / P04626	3
EGFR-HER3	EGFR/HER3 heterodimer	EGFR / ERBB3	P00533 / P02186	3
FAS-FASL	Fas:FasL complex	FAS / FASLG	P25445 / P48023	3
HER2-HER3	HER2/HER3 heterodimer	ERBB2 / ERBB3	P04626 / P02186	3
IL17RA-IL17RB	Interleukin 17E receptor	IL17RA / IL17RB	Q96F46 / Q9NRM6	Inquire
IL17RA-IL17RC	Interleukin 17A and 17F receptor	IL17RA / IL17RC	Q96F46 / Q8NAC3	Inquire
IL17RA-IL17RD	Interleukin 17A receptor	IL17RA / IL17RD	Q96F46 / Q8NFM7	Inquire
IL17RA-IL17RE	Interleukin 17C receptor	IL17RA / IL17RE	Q96F46 / Q8NFR9	Inquire
PD1-PDL1	hPD-1:hPD-L1 complex	PD-1 / PD-L1	Q15116 / Q9NZQ7	Inquire
TCR-CD3	T-cell receptor:CD3 complex	TCR / CD3		Inquire
TREM2-TYROBP	TREM2-TYROBP complex	TREM2 / DAP12	Q9NZC2 / O43914	3

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SLC transporter

Target	Full Name	UniProt	Complexity
SLC1A4	Neutral amino acid transporter A	P43007	2
SLC1A5	Neutral amino acid transporter B(0)	Q15758	Inquire
SLC1A6	Excitatory amino acid transporter 4	P48664	2
SLC1A7	Excitatory amino acid transporter 5	O00341	Inquire
SLC2A1	Solute carrier family 2 member 1	P11166	2
SLC2A2	Solute carrier family 2 member 2	P11168	1
SLC2A5	Solute carrier family 2 member 5	P22732	2
SLC2A9	Solute carrier family 2 member 9	Q9NRM0	2
SLC2A10	Solute carrier family 2, facilitated glucose transporter member 10	O95528	Inquire
SLC4A7	Sodium bicarbonate cotransporter 3	Q9Y6M7	2
SLC5A2 SGLT2	Sodium/glucose cotransporter 2	P31639	2
SLC6A4	Sodium-dependent serotonin transporter	P31645	3
SLC6A14	Sodium- and chloride-dependent transporter	Q9UN76	2
SLC10A1 NTCP	Hepatic sodium/bile acid cotransporter	Q14973	2
SLC10A4	Sodium/bile acid cotransporter 4	Q96EP9	Inquire
SLC11A1	Natural resistance-associated macrophage protein 1	P49279	Inquire
SLC15A4	Solute carrier family 15 member 4	Q8N697	1
SLC16A4	Monocarboxylate transporter 5	O15374	Inquire
SLC17A3	Sodium-dependent phosphate transport protein 4	O00476	Inquire
SLC17A6	Vesicular glutamate transporter 2	Q9P2U8	2
SLC20A2	Excitatory amino acid transporter 5	Q08357	2
SLC22A4	Solute carrier family 22 member 4	Q9H015	3
SLC24A4	Sodium/potassium/calcium exchanger 4	Q8NFF2	Inquire
SLC25A4	ADP/ATP translocase 1	P12235	2
UCP1	Mitochondrial brown fat uncoupling protein 1	P25874	2
SLC25A11	Mitochondrial 2-oxoglutarate/malate carrier protein	Q02978	1
SLC25A15	Mitochondrial ornithine transporter 1	Q9Y619	2
SLC25A20	Mitochondrial carnitine/acylcarnitine carrier protein	O43772	Inquire
SLC25A33	Solute carrier family 25 member 33	Q9BSK2	1
SLC25A37	Mitoferrin-1	Q9NYZ2	2
SLC25A39	Mitochondrial glutathione transporter SLC25A39	Q9BZJ4	Inquire
SLC25A46	Mitochondrial outer membrane protein SLC25A46	Q96AG3	Inquire
SLC29A2	Equilibrative nucleoside transporter 2	Q14542	Inquire

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Target	Full Name	UniProt	Complexity
SLC30A2	Proton-coupled zinc antiporter	Q9BRI3	1
SLC33A1	Acetyl-coenzyme A transporter 1	O00400	2
SLC34A1	Sodium-dependent phosphate transport protein 2A	Q06495	Inquire
SLC35A2	UDP-galactose translocator	P78381	Inquire
SLC37A4	Glucose-6-phosphate exchanger SLC37A4	O43826	Inquire
SLC38A1	Sodium-coupled neutral amino acid symporter 1	Q9H2H9	Inquire
SLC38A2	Sodium-coupled neutral amino acid symporter 2	Q96QD8	Inquire
SLC38A5	Sodium-coupled neutral amino acid transporter 5	Q8WUX1	Inquire
SLC41A1	Solute carrier family 41 member 1	Q8IVJ1	Inquire
SLC46A1	Proton-coupled folate transporter	Q96NT5	2
SLC52A1	Solute carrier family 52 member 1	Q9NWF4	2
SLC52A3	Solute carrier family 52 member 3	Q9NQ40	Inquire

Target	Full Name	Members	UniProt IDs	Comp.
OSTA-OSTB	Organic Solute Transporter α-β	SLC51A / SLC51B	Q86UW1 / Q86UW2	Inquire
SLGT2-MAP17	SGLT2–MAP17 glucose transporter	SGLT2 / MAP17	P31639 / Q13113	Inquire

Tetraspanin

Target	Full Name	UniProt	Complexity
CD9	CD9 antigen	P21926	1
CD37	Leukocyte antigen CD37	P11049	3
CD81	CD81 antigen	P60033	2
CD151	CD151 antigen	P48509	1
CLRN1	Clarin-1	P58418	2
PMP22/GAS3	Peripheral myelin protein 22	Q01453	2
TSPAN8	Tetraspanin-8	P19075	2

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Others

Target	Full Name	UniProt	Complexity
CX3CL1	Fractalkine	P78423	3
FURIN	Furin	P09958	3
PDZK1	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	Q5T2W1	3
TGOLN2	Trans-Golgi network integral membrane protein 2	O43493	Inquire
TMED2	Transmembrane emp24 domain-containing protein 2	Q15363	3
TNFα	Tumor necrosis factor	P01375	1
TNFSF15/T1L	Tumor necrosis factor ligand superfamily member 15	O95150	1

Custom Protein Services

We focus on the expression of **full-length native proteins** in **mammalian expression systems**. For validation, we can use **MST**, **SPR**, or **GCI** (grating-coupled interferometry) or offer **Cryo-EM** structure solutions. After an initial production establishment, we can produce **milligram (mg) quantities** of target protein in a follow-up study.

Inquire About Custom Services