

Datasheet for ABIN7552282

Anoctamin 7 Protein (ANO7) (AA 1-933) (His tag)



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Overview

Quantity:	1 mg
Target:	Anoctamin 7 (ANO7)
Protein Characteristics:	AA 1-933
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Anoctamin 7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ANO7 Protein expressed in mammalian cells.
Sequence:	MRMAATAWAG LQGPPLPTLC PAVRTGLYCR DQAHAERWAM TSETSSGSHC ARSRMLRRRA QEEDSTVLID VSPPEAEKRG SYGSTAHASE PGGQQAACR AGSPAKPRIA DFVLVWEEDL KLDRQQDSAA RDRTDMHRTW RETFLDNLRA AGLCVDQQDV QDGNTTVHYA LLSASWAVLC YYAEDLRLKL PLQELPNQAS NWSAGLLAWL GIPNVLLEV VPDVPPEYYSC RFRVKNLPRF LGSDNQDTFF TSTKRHQILF EILAKTPYGH EKKNLLGIHQ LLAEGVLSAA FPLHDGPFKT PPEGPQAPRL NQRQVLFQHW ARWGKWNKYQ PLDHVRRYFG EKVALYFAWL GFYTGWLLPA AVVGTLVFLV GCFLVFSDIP TQELCGSKDS FEMCPLCLDC PFWLLSSACA LAQAGRLFDH GGTVFFSLFM ALWAVLLLEY WKRKSATLAY RWDCSDYEDT EERPRPQFAA SAPMTAPNPI TGEDEPYFPE RSRARRMLAG SVVIVVMVAV VVMCLVSIIL YRAIMAVVS RSGNTLLAAW ASRIASLTGS VVNLVFILIL SKIYVSLAHV LTRWEMHRTQ TKFEDAFTLK VFIFQFVNFY SSPVYIAFFK GRFVGYPGNY HTLFGVRNEE CAAGGCLIEL AQELLVIMVG KQVINNMQEV LIPKLKGWWQ KFRLRSKKRK AGASAGASQG PWEDDYELVP CEGLFDEYLE MVLQFGFVTI

FVAACPLAPL FALLNNWVEI RLDARKFVCE YRRPVAERAQ DIGIWFHILA GLTHLAVISN
AFLLAFFSSDF LPRAYYRWTR AHDLRGFLNF TLARAPSSFA AAHNRTCRRYR AFRDDDDGHYS
QTYWNLLAIR LAFVIVFEHV VFSVGRLLDL LVDPDIPESVE IKVKREYYLA KQALAENEVL
FGTNGTKDEQ PEGSELSSHW TPFTVPKASQ LQQ **Sequence without tag. The proposed
Purification-Tag is based on experiences with the expression system, a different complexity
of the protein could make another tag necessary. In case you have a special request, please
contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Anoctamin 7 (AN07)
Alternative Name:	AN07 (AN07 Products)
Background:	Anoctamin-7 (Dresden transmembrane protein of the prostate) (D-TMPP) (IPCA-5) (New gene expressed in prostate) (Prostate cancer-associated protein 5) (Transmembrane protein 16G),FUNCTION: Has calcium-dependent phospholipid scramblase activity, scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide (By similarity). Does not

Target Details

	exhibit calcium-activated chloride channel (CaCC) activity (PubMed:22075693). May play a role in cell-cell interactions (PubMed:17308099). {ECO:0000250 UniProtKB:Q14AT5, ECO:0000269 PubMed:17308099, ECO:0000269 PubMed:22075693}.
Molecular Weight:	105.5 kDa
UniProt:	Q6IWH7

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months