

Datasheet for ABIN7564096

Anoctamin 6 Protein (ANO6) (AA 1-911) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Anoctamin 6 (ANO6)
Protein Characteristics:	AA 1-911
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Anoctamin 6 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ano6 Protein expressed in mammalian cells.
Sequence:	<p>MQMMTRKVLN NMELEEDDDE DGDIVLENFD QTIVCPTFGS LENQQDFRTP EFEFNGKPD SLFFTDGQRR IDFILVYEDE SKKENNKKGT NEKQKRKRQA YESNLICHGL QLEATRSVSD DKLVFVKVHA PWEVLCTYAE IMHIKLPKLP NDLKTRSPFG NLNWFTKVLV VNESVIKPEQ EFFTAPFEKS RMNDFYILDR DSFFNPATRS RIVYFILSRV KYQVMNNVNK FGINRLVSSG IYKAAFPLHD CRFNYESEDI SCPSERYLLY REWAHPRSIY KKQPLDLIRK YYGEGIGIYF AWLGYTQML LLAAVGVAC FLYGYLDQDN CTWSKEVCDP DIGGQILMCP QCDRLCPFWR LNITCESSKK LCIFDSFGTL IFAVFMGVVW TLFLEFWKRR QAELEYEWDV VELQEEQAR PEYEAQCNHV VINEITQEEE RIPFTTCGKC IRVTLCASAV FFWILLIAS VIGIIVYRLS VFIVFSTTLV KNPNGTDPIQ KYLTPQMATS ITASIISFII IMILNTIYEK VAIMITNFEL PRTQTDYENS LTMKMFLFQF VNYYSYSCFYI AFFKGGKFGY PGDPVYLLGK YRSEECDPGG CLELTTQLT IIMGGKAIWN NIQEVLLPWV MNLIGRYKRV SGSEKITPRW EQDYHLQPMG KLGLFYEYLE MIIQFGFVTL FVASFPLAPL LALVNNILEI RVDAAWKLTTQ FRRMVPEKAQ DIGAWQPIMQ</p>

Product Details

GIAILAVVTN AMIIAFTSDM IPRLVYYWSF SIPPYGDHTY YTMDGYINNT LSVFNITDFK
NTDKENPYIG LGNYTLCRYR DFRNPPGHPQ EYKHNIYYWH VIAAKLAFII VMEHIIYSVK
FFISYAIPDV SKITKSKIKR EKYLTKLLH ESHLKDITKN MGIIAERIGG TVDNSVRPKL E **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 6 (ANO6)

Alternative Name: [Ano6 \(ANO6 Products\)](#)

Background: Anoctamin-6 (Small-conductance calcium-activated nonselective cation channel) (SCAN channel) (Transmembrane protein 16F),FUNCTION: Small-conductance calcium-activated nonselective cation (SCAN) channel which acts as a regulator of phospholipid scrambling in platelets, osteoblasts and fetal thymocytes. Phospholipid scrambling results in surface exposure of phosphatidylserine which in platelets is essential to trigger the clotting system

Target Details

whereas in osteoblasts is essential for the deposition of hydroxyapatite during bone mineralization. Has calcium-dependent phospholipid scramblase activity, scrambles phosphatidylserine, phosphatidylcholine and galactosylceramide. Can generate outwardly rectifying chloride channel currents in airway epithelial cells and Jurkat T lymphocytes.

{ECO:0000269|PubMed:21107324, ECO:0000269|PubMed:21908539, ECO:0000269|PubMed:22936354, ECO:0000269|PubMed:23021219, ECO:0000269|PubMed:23532839, ECO:0000269|PubMed:30785399, ECO:0000269|PubMed:31015464}.

Molecular Weight: 106.3 kDa

UniProt: [Q6P9J9](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

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