

Datasheet for ABIN7561913
ANO3 Protein (AA 1-981) (His tag)



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Overview

Quantity:	1 mg
Target:	ANO3
Protein Characteristics:	AA 1-981
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANO3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ano3 Protein expressed in mammalian cells.
Sequence:	MVHHSQSIQS FKQQKGMNIS KSEITTEASL KPSRRSLPCL AQSVAHASKSL SQSASLFQST ESESQAPTSV TFLSADKPEH VTSEESRKDS TLKCSFADLS DFCLALGKDK DYLDSEHAN YDRSRLNDF VTKDKPASKT KLSKNDMSYI ASSGLLFKDG KKRIDYILVY RKTNIQYDKR NTFEKNLRAE GLMLEKEPAI ANPDIMFIKI HIPWDTLCKY AERLNIRVPF RKKCYTQDK NKSRSRVQNY FKRIKKWMSQ NPMVLDKSAF PELEESDCYT GPFSRARIHH FIINNKDTFF SNATRSRIVY HMLERTKYEN GISKVGIRKL ITNGSYIAAF PPHEGAYKSS LPIKTHGPQN NRHLLYERWA RWGMWYKHQP LDLIRMYFGE KIGLYFAWLG WYTGMLIPAA VVGLCVFFYG LVTMNESQVS QEICKATEVF MCPLCDKNCS LQRLNDSCIY AKVTYLFDFNG GTVFFAIFMA IWATVFLEFW KRRRSILTYT WDLIEWEEEE ETLRPQFEAK YYRMEVINPI TGKPEPHQPS SDKVTRLLVS VSGIFFMISL VITAVFAVVV YRLVVMEQFA SFKWNFVKQH WQFATSGAAV CINFIIIMLL NLAYEKIAYL LTNLEYPRTE SEWENSFALK MFLFQFVNLN SSIFYIAFFL GRFVGHGPKY NKLFERWRLE ECHPSGCLID LCLQMGVIMF LKQIWNMFME LGYPLIQNWW

Product Details

SRHKIKRGIQ DASIPQWEND WNLQPMNIHG LMDEYLEMVL QFGFTTIFVA AFPLAPLLAL
LNNIIEIRLD AYKFVTQWRR PLPARATDIG IWLGILEGIG ILAVITNAFV IAITSYIPR FVYKYKGPC
ANHVKQENEC LKGYVNNSLS FFDLSELGMG KSGYCRYRDY RGPPWSSKPY EFTLQYWHIL
AARLAFIIVF EHLVFGIKSF IAYLIPDIPK GLRERIRREK YLVQEMMYEA ELEHLQQRR
KSGQPIHHEW P **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: ANO3

Alternative Name: Ano3 ([ANO3 Products](#))

Background: Anoctamin-3 (Transmembrane protein 16C),FUNCTION: Has calcium-dependent phospholipid scramblase activity, scrambles phosphatidylcholine and galactosylceramide (PubMed:23532839). Does not exhibit calcium-activated chloride channel (CaCC) activity (PubMed:23532839). Seems to act as potassium channel regulator and may inhibit pain

Target Details

signaling, can facilitate KCNT1/Slack channel activity by promoting its full single-channel conductance at very low sodium concentrations and by increasing its sodium sensitivity (PubMed:23872594). {ECO:0000269|PubMed:23532839, ECO:0000269|PubMed:23872594}.

Molecular Weight: 114.6 kDa

UniProt: [A2AHL1](#)

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