Datasheet for ABIN7552093

ANO3 Protein (AA 1-981) (His tag)

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Overview

Quantity:	1 mg
Target:	ANO3
Protein Characteristics:	AA 1-981
Origin:	Human
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:	MVHHSGSIQS FKQQKGMNIS KSEITKETSL KPSRRSLPCL AQSYAYSKSL SQSTSLFQST ESESQAPTSI TLISTDKAEQ VNTEENKNDS VLRCSFADLS DFCLALGKDK DYTDESEHAT YDRSRLINDF VIKDKSEFKT KLSKNDMNYI ASSGPLFKDG KKRIDYILVY RKTNIQYDKR NTFEKNLRAE GLMLEKEPAI ASPDIMFIKI HIPWDTLCKY AERLNIRMPF RKKCYYTDGR SKSMGRMQTY FRRIKNWMAQ NPMVLDKSAF PDLEESDCYT GPFSRARIHH FIINNKDTFF SNATRSRIVY HMLERTKYEN GISKVGIRKL INNGSYIAAF PPHEGAYKSS QPIKTHGPQN NRHLLYERWA RWGMWYKHQP LDLIRLYFGE KIGLYFAWLG WYTGMLIPAA IVGLCVFFYG LFTMNNSQVS QEICKATEVF MCPLCDKNCS LQRLNDSCIY AKVTYLFDNG GTVFFAIFMA IWATVFLEFW KRRRSILTYT WDLIEWEEEE ETLRPQFEAK YYKMEIVNPI TGKPEPHQPS SDKVTRLLVS VSGIFFMISL VITAVFGVVV YRLVVMEQFA SFKWNFIKQY WQFATSAAAV CINFIIIMLL NLAYEKIAYL LTNLEYPRTE SEWENSFALK MFLFQFVNLN SSIFYIAFFL GRFVGHPGKY NKLFDRWRLE ECHPSGCLID LCLQMGVIMF LKQIWNNFME LGYPLIQNWW

Product Details

	SRHKIKRGIH DASIPQWEND WNLQPMNLHG LMDEYLEMVL QFGFTTIFVA AFPLAPLLAL LNNIIEIRLD AYKFVTQWRR PLPARATDIG IWLGILEGIG ILAVITNAFV IAITSDYIPR FVYEYKYGPC ANHVEPSENC LKGYVNNSLS FFDLSELGMG KSGYCRYRDY RGPPWSSKPY EFTLQYWHIL AARLAFIIVF EHLVFGIKSF IAYLIPDVPK GLHDRIRREK YLVQEMMYEA ELEHLQQQRR KSGQPVHHEW 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 (By similarity). Seems to act as potassium channel regulator and may inhibit pain signaling, can facilitate KCNT1/Slack channel activity by promoting its full single-channel conductance at very low

Target Details

	sodium concentrations and by increasing its sodium sensitivity (By similarity). Does not exhibit calcium-activated chloride channel (CaCC) activity (PubMed:21984732). {ECO:0000250|UniProtKB:A2AHL1, ECO:0000303|PubMed:21984732}.
Molecular Weight:	114.7 kDa
UniProt:	Q9BYT9

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

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