Datasheet for ABIN7552281

Anoctamin 2 Protein (ANO2) (AA 1-1003) (His tag)

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Overview

Quantity:	1 mg
Target:	Anoctamin 2 (ANO2)
Protein Characteristics:	AA 1-1003
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Anoctamin 2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ANO2 Protein expressed in mammalian cells.
Sequence:	MATPGPRDIP LLPGSPRRLS PQAGSRGGQG PKHGQQCLKM PGPRAPGLQG GSNRDPGQPC GGESTRSSSV INNYLDANEP VSLEARLSRM HFHDSQRKVD YVLAYHYRKR GVHLAQGFPG HSLAIVSNGE TGKEPHAGGP GDIELGPLDA LEEERKEQRE EFEHNLMEAG LELEKDLENK SQGSIFVRIH APWQVLAREA EFLKIKVPTK KEMYEIKAGG SIAKKFSAAL QKLSSHLQPR VPEHSNNKMK NLSYPFSREK MYLYNIQEKD TFFDNATRSR IVHEILKRTA CSRANNTMGI NSLIANNIYE AAYPLHDGEY DSPEDDMNDR KLLYQEWARY GVFYKFQPID LIRKYFGEKI GLYFAWLGLY TSFLIPSSVI GVIVFLYGCA TIEEDIPSRE MCDQQNAFTM CPLCDKSCDY WNLSSACGTA QASHLFDNPA TVFFSIFMAL WATMFLENWK RLQMRLGYFW DLTGIEEEEE RAQEHSRPEY ETKVREKMLK ESNQSAVQKL ETNTTECGDE DDEDKLTWKD RFPGYLMNFA SILFMIALTF SIVFGVIVYR ITTAAALSLN KATRSNVRVT VTATAVIINL VVILILDEIY GAVAKWLTKI EVPKTEQTFE ERLILKAFLL KFVNAYSPIF YVAFFKGRFV GRPGSYVYVF DGYRMEECAP GGCLMELCIQ LSIIMLGKQL IQNNIFEIGV PKLKKLFRKL KDETEAGETD SAHSKHPEQW

Product Details

	DLDYSLEPYT GLTPEYMEMI IQFGFVTLFV ASFPLAPVFA LLNNVIEVRL DAKKFVTELR RPDAVRTKDI GIWFDILSGI GKFSVISNAF VIAITSDFIP RLVYQYSYSH NGTLHGFVNH TLSFFNVSQL KEGTQPENSQ FDQEVQFCRF KDYREPPWAP NPYEFSKQYW FILSARLAFV IIFQNLVMFL SVLVDWMIPD IPTDISDQIK KEKSLLVDFF LKEEHEKLKL MDEPALRSPG GGDRSRSRAA SSAPSGQSQL GSMMSSGSQH TNV **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 2 (ANO2)
Alternative Name:	ANO2 (ANO2 Products)
Background:	Anoctamin-2 (Transmembrane protein 16B),FUNCTION: Calcium-activated chloride channel (CaCC) which may play a role in olfactory signal transduction. Odorant molecules bind to odor-sensing receptors (OSRs), leading to an increase in calcium entry that activates CaCC current

Target Details

	which amplifies the depolarization of the OSR cells, ANO2 seems to be the underlying chloride channel involved in this process. May mediate light perception amplification in retina. {ECO:0000269|PubMed:19474308, ECO:0000269|PubMed:20056604}.
Molecular Weight:	114.0 kDa
UniProt:	Q9NQ90

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