

Datasheet for ABIN7553510
CNGA2 Protein (AA 1-664) (His tag)



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Overview

Quantity:	1 mg
Target:	CNGA2
Protein Characteristics:	AA 1-664
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNGA2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CNGA2 Protein expressed in mammalian cells.
Sequence:	<p>MTEKTNGVKS SPANNHNHHA PPAIKANGKD DHRTSSRPHS AADDDTSEL QRLADVDAPO QGRSGFRRIV RLVGIIREWA NKNFREEEPR PDSFLERFRG PELQTVTTQE GDGKGDKDGE DKGTKKKFEL FVLDPAGDWY YCWLFVIAMP VLYNWCLLVA RACFSDLQKG YYLVWLVDY VSDVVIADL FIRLRTGFLE QGLLVKDTKK LRDNYIHTLQ FKLDVASIIP TDLIYFAVDI HSPEVRFNRL LHFARMEFF DRTETRTNY NIFRISNLVL YILVIIHWNA CIYYAISKSI GFGVDTWVYP NITDPEYGYL AREYIYCLYW STLTLTTIGE TPPPVKDEEY LFIYDFLIG VLIFATIVGN VGSMISNMNA TRAEFQAKID AVKHVMQFRK VSKGMEAKVI RWFYDLWTNK KTVDEREILK NLPACLRAEI AINVHLSTLK KVRIFHDCEA GLLVELVLKL RPQVFSPGDY ICRKGDIGKE MYIIKEGKLA VVADDGVTQY ALLSAGSCFG EISILNIKGS KMGNNRRTANI RSLGYSDLFC LSKDDLMEAV TEYPAKKVL EERGREILMK EGLLDENEVA TSMEVDVQEK LGQLETNMET LYTRFGRLLA EYTGAQQKLG QRITVLETKM KQNNEDDYLS DGMNSPELAA ADEP</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the</p>

Product Details

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: CNGA2

Alternative Name: CNGA2 ([CNGA2 Products](#))

Background: Cyclic nucleotide-gated olfactory channel (Cyclic nucleotide-gated cation channel 2) (Cyclic nucleotide-gated channel alpha-2) (CNG channel alpha-2) (CNG-2) (CNG2),FUNCTION: Odorant signal transduction is probably mediated by a G-protein coupled cascade using cAMP as second messenger. The olfactory channel can be shown to be activated by cyclic nucleotides which leads to a depolarization of olfactory sensory neurons.

Molecular Weight: 76.0 kDa

UniProt: [Q16280](#)

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
