

Datasheet for ABIN7563760
CNGA4 Protein (AA 1-575) (His tag)



[Go to Product page](#)

Overview

| | |
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| Quantity: | 1 mg |
| Target: | CNGA4 |
| Protein Characteristics: | AA 1-575 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CNGA4 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant Cnga4 Protein expressed in mammalian cells. |
| Sequence: | <p>MSQDSKVKT ESTPPAPTKA RKWLPVLDPS GDYYYWWLNT MVFPIMYNLI IVCRACFPD LQHSYLVAWF VLDYTSDLLY LLDIGVRFHT GFLEQGILVV DKSMIASRYV RTWSFLDLA SLVPTDAAYV QLGHPIPTLR LNRFLRVPRL FEAFDRTETR TAYPNAFRIA KLMIYIFVI HWNSCLYFAL SRYLGFGRDA WVYPDPAQPG FERLRRQYLY SFYFSTLILT TVGDTPLPAR EEEYLFMVG D FLLAVMGFAT IMGSMSSVIY NMNTADAAFY PDHALVKKYM KLQHVNRRL RRVIDWYQHL QINKKMTNEV AILQHLPERL RAEVAVSVHL STLSRVQIFQ NCEASLLEEL VLKLQPQTYS PGEYVCRKGD IGREMYIIRE GQLAVVADDG VTQYAVLGAG LYFGEISIIN IKGNMSGNRR TANIKSLGYS DLFCLSKEDL REVLSEYPQA QAVMEEKGRE ILLKMNKLDV NAEAAEIALQ EATESRLKGL DQQLDDLQTK FARLLAELES SALKIAYRIE RLEWQTREWP MPDDMGEADD EAEPGEGTSK DGEKAGQEG PSGLE 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</p> |

Product Details

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: CNGA4

Alternative Name: Cnga4 ([CNGA4 Products](#))

Background: Cyclic nucleotide-gated cation channel alpha-4 (Cyclic nucleotide-gated channel alpha-4) (CNG channel alpha-4) (CNG-4) (CNG4),FUNCTION: Second messenger, cAMP, causes the opening of cation-selective cyclic nucleotide-gated (CNG) channels and depolarization of the neuron (olfactory sensory neurons, OSNs). CNGA4 is the modulatory subunit of this channel which is known to play a central role in the transduction of odorant signals and subsequent adaptation. By accelerating the calcium-mediated negative feedback in olfactory signaling it allows rapid adaptation to odor stimulation and extends its range of odor detection. {ECO:0000269|PubMed:11739959, ECO:0000269|PubMed:12649326}.

Molecular Weight: 65.8 kDa

Target Details

UniProt: [Q3UW12](#)

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