

Datasheet for ABIN7551803

Muscarinic Acetylcholine Receptor M2 Protein (AA 1-466) (His tag)



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Overview

Quantity:	1 mg
Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Protein Characteristics:	AA 1-466
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Muscarinic Acetylcholine Receptor M2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CHRM2 Protein expressed in mammalian cells.
Sequence:	<p>MNNSTNSSNN SLALTSPYKT FEVVFIVLVA GSLSLVTIIG NILVMVSIKV NRHLQTVNNY FLFSLACADL IIGVFSMNLY TLYTVIGYWP LGPVVCDLWL ALDYVVSNAS VMNLLIISFD RYFCVTKPLT YPVKRTTKMA GMMIAAAWVL SFILWAPAIL FWQFIVGVRT VEDGECYIQF FSNAAVTFGT AIAAFYLPVI IMTVLYWHIS RASKSRIKKD KKEPVANQDP VSPSLVQGRI VKPNNNNMPS SDDGLEHNKI QNGKAPRDPV TENCVQGEEK ESSNDSTSVS AVASNMRDDE ITQDENTVST SLGHSKDENS KQTCIRIGTK TPKSDSCTPT NTTVEVVGSS GQNGDEKQNI VARKIVKMTK QPAKKKPPPS REKKVTRTIL AILLAFIITW APYNMVLIN TFCAPCIPNT VWTIGYWLCY INSTINPACY ALCNATFKKT FKHLLMCHYK NIGATR 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

Muscarinic Acetylcholine Receptor M2 (CHRM2)

Alternative Name:

CHRM2 ([CHRM2 Products](#))

Background:

Muscarinic acetylcholine receptor M2,FUNCTION: The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3), this then triggers calcium ion release into the cytosol. {ECO:0000269|PubMed:24256733, ECO:0000269|PubMed:3443095}.

Molecular Weight:

51.7 kDa

UniProt:

[P08172](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
