

Datasheet for ABIN7552003

## MC2R Protein (AA 1-297) (His tag)

3 Images



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### Overview

Quantity:	1 mg
Target:	MC2R
Protein Characteristics:	AA 1-297
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MC2R protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant MC2R Protein expressed in mammalian cells.
Sequence:	<p>MKHIINSYEN INNTARNNSD CPRVVLPEEI FFTISIVGVL ENLIVLLAVF KNKNLQAPMY</p> <p>FFICSLAISD MLGSLYKILE NILILRNMG YLKPRGSFET TADDIIDSLE VLSLLGSIFS LSVIAADRYI</p> <p>TIFHALRYHS IVTMRRTVVV LTVIWFCTG TGITMVIFSH HVPTVITFTS LFPLMLVFIL</p> <p>CLYVHMFLLA RSHTRKISTL PRANMKGAIT LTILLGVFIF CWAPFVLHVL LMTFCPSNPY</p> <p>CACYMSLFQV NGMLIMCNAV IDPFIYAFRS PELRDAFKKM IFCSRYW <b>Sequence without tag.</b></p> <p><b>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.</b></p>
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:

## Product Details

- 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:	MC2R
Alternative Name:	MC2R ( <a href="#">MC2R Products</a> )
Background:	Adrenocorticotrophic hormone receptor (ACTH receptor) (ACTH-R) (Adrenocorticotropin receptor) (Melanocortin receptor 2) (MC2-R),FUNCTION: Receptor for corticotropin (ACTH). This receptor is mediated by G proteins (G(s)) which activate adenylate cyclase (cAMP). {ECO:0000269 PubMed:19329486, ECO:0000269 PubMed:20371771}.
Molecular Weight:	33.9 kDa
UniProt:	<a href="#">Q01718</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

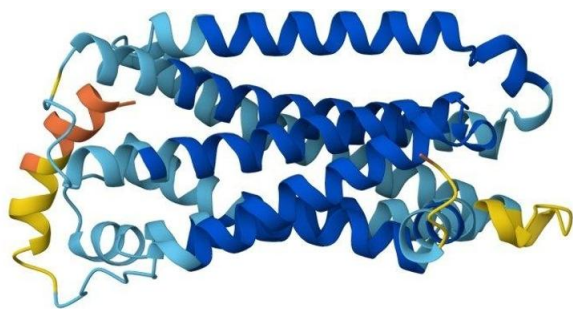
## Application Details

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

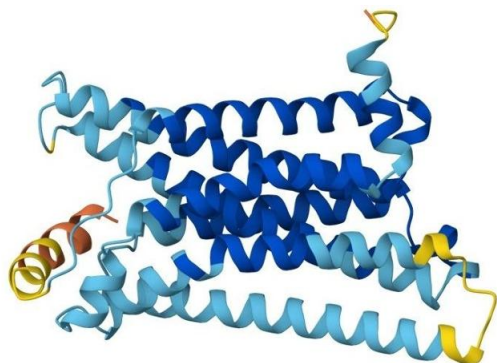
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



Protein Structure

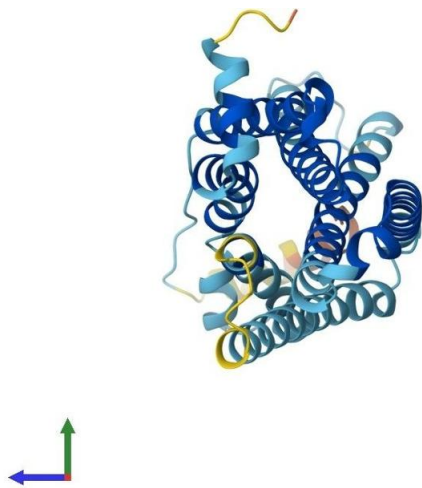
**Image 1.** AlphaFold protein structure prediction of Human Recombinant MC2R Protein, UniprotID Q01718



Protein Structure

**Image 2.** AlphaFold protein structure prediction of Human Recombinant MC2R Protein, UniprotID Q01718





#### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Human Recombinant MC2R Protein, UniprotID Q01718