

Datasheet for ABIN7557826

## MC2R Protein (AA 1-296) (His tag)



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### 3 Images

#### Overview

Quantity:	1 mg
Target:	MC2R
Protein Characteristics:	AA 1-296
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MC2R protein is labelled with His tag.

#### Product Details

Purpose:	Made-to-order recombinant Mc2r Protein expressed in mammalian cells.
Sequence:	<p>MKHIINSYEH TNDTARNNSD CPDVVLPEEI FFTISVIGIL ENLIVLLAVI KNKNLQSPMY FFICSLAISD</p> <p>MLGSLYKILE NILIMFRNMG YLKPRGSFES TADDIIDCMF ILSLLGSIFS LSVIAADRYI TIFHALQYHS</p> <p>IVTMRRTIIT LTIWFMFCTG SGITMVIFSH HIPTVLTFTS LFPLMLVFIL CLYIHMFLLA RSHARKISTL</p> <p>PRTNMKGAMT LTILLGVFIF CWAPFVLHVL LMTFCPNNPY CVCYMSLFQV NGMLIMCNAV</p> <p>IDPFIYAFRS PELRDAFKRM LFCNRY <b>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.</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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul>

## Product Details

- 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:	made-to-order

## 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).
Molecular Weight:	34.0 kDa
UniProt:	<a href="#">Q64326</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

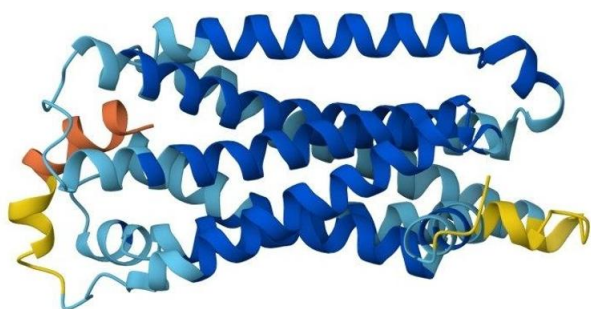
## Application Details

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

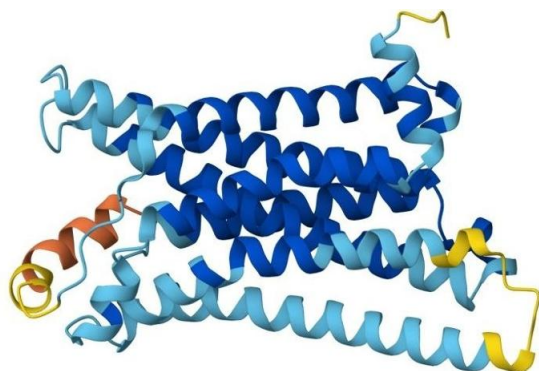
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

## Images



### Protein Structure

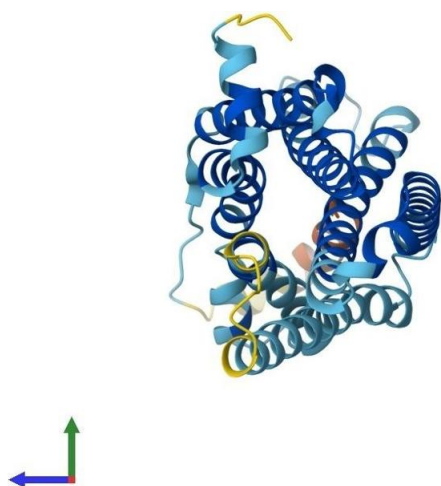
**Image 1.** AlphaFold protein structure prediction of Mouse Recombinant Mc2r Protein, UniprotID Q64326



### Protein Structure

**Image 2.** AlphaFold protein structure prediction of Mouse Recombinant Mc2r Protein, UniprotID Q64326





### Protein Structure

**Image 3.** AlphaFold protein structure prediction of Mouse Recombinant Mc2r Protein, UniprotID Q64326