

Datasheet for ABIN7563576

## HMGCN Protein (AA 1-887) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	HMGCN
Protein Characteristics:	AA 1-887
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCN protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Hmgcr Protein expressed in mammalian cells.
Sequence:	<p>             MLSRLFRMHG LFVASHPWEV IVGTVTLTIC MMSMNMFTGN NKICGWNYEC PKFEEDVLSS              DIIILTITRC IAILYIFQF QNLRQLGSKY ILGIAGLFTI FSSFVFSTVV IHFLDKELTG LNEALPFFLL              LIDLRSASAL AKFALSSNSQ DEVRENIARG MAILGPTFTL DALVECLVIG VGTMSGVRQL              EIMCCFGCMS VLANYFVMT FFPACVSLVL ELSRESREGR PIWQLSHFAR VLEEEENKPN              PVTQRVKMIM SLGLVLVHAH SRWIADPSPQ NSTAEQAKVS LGLDEDVSKR IEPSVSLWQF              YLSKMISMDI EQVITLSLAF LLAVKYIFFE QAETESTLSL KNPITSPVVT SKKAQDNCCR              REPLVRRNQ KLSSVEEDPG ANQERKVEVI KPLVVEAETT SRATFVLGAS VASPPSALGT              QEPGIELPIE PRPNEECLQI LENAEGKAKF LSDAEIIQLV NAKHIPAYKL ETLMETHERG              VSIRRQLST KLAEPSSLQY LPYRDYNYSL VMGACCENVI GYMPIPVGVA GPLCLDGKEY              QVPMATTEGC LVASTNRGCR AISLGGGASS RVLADGMTRG PVVRLPRACD SAEVKTWLET              PEGFAVIKEA FDSTSRFARL QKLHVTMAGR NLYIRFQSRT GDAMGMNMIS KGTEKALLKL              QEFFPDMQIL AVSGNYCTDK KPAAINWIEG RGKTVVCEAV IPAKVVREVL KTTTEAMVDV           </p>

## Product Details

NINKNLVGSA MAGSIGGYNA HAANIVTAIY IACGQDAAQN VGSSNCITLM EASGPTNEDL  
YISCTMPSIE IGTVGGGTNL LPQQAQLQML GVQGACKDNP GENARQLARI VCGTVMAGEL  
SLMAALAAGH LVRSHMVHNR SKINLQDLQG TCTKAA **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.**

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: HMGR

Alternative Name: Hmgcr ([HMGCR Products](#))

Background: 3-hydroxy-3-methylglutaryl-coenzyme A reductase (HMG-CoA reductase) (EC 1.1.1.34),FUNCTION: Catalyzes the conversion of (3S)-hydroxy-3-methylglutaryl-CoA (HMG-CoA) to mevalonic acid, the rate-limiting step in the synthesis of cholesterol and other isoprenoids, thus plays a critical role in cellular cholesterol homeostasis.  
{ECO:0000269|PubMed:16100574}.

## Target Details

Molecular Weight:	97.0 kDa
UniProt:	<a href="#">Q01237</a>
Pathways:	<a href="#">AMPK Signaling</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</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