3-Hydroxy-3-Methylglutaryl-Coenzyme A Reductase (hmgA) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase (hmgA), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii 3-hydroxy-3-methylglutaryl-coenzyme A reductase (hmgA)
Product Gene Name	hmgA recombinant protein
Product Synonym Gene Name	hmgA; MJ0705
Product Synonym Names	3-hydroxy-3-methylglutaryl-coenzyme A reductase; HMG-CoA reductase; EC=1.1.1.34
Sequence	MENYNDILEK MLNGEIKPYQ LDKMFGSKIA TEIRRKFIEK KVGIEFKHIC NYSIDEEMAM KKNIENMIGA IQIPLGFAGP LKINGEYAKG EFYIPLATTE GALVASVNRG CSIITKCGGA TVRVIDDKMT RAPCLKTKSV VDAIKVRDWI RENFERIKEV AESTTRHGKL IKIEPILIVG RNLYPRFVFK TGDAMGMNMV TIATEKACNF IEGELKKEGI FVKTVAVSGN ACVDKKPSGM NLINGRGKSI VAEVFLTEKE VNKYLKTTSQ AIAEVNRLKN YIGSAISNSM GFNAHYANII GAIFLATGQD EAHIVEGSLG ITMAEVEDDG LYFSVTLPDV PIGTVGGGTR VETQKECLEM LGCYGDNKAL KFAEIVGAAV LAGELSLLGA LAAGHLGKAH QELGR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	44,128 Da
Sequence Positions	1-405aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q58116
Species	Methanocaldococcus jannaschii (strain 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) (Methanococcus jannaschii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hmgA recombinant protein	MBS1438119 is a recombinant protein targeting hmgA. Also known as Recombinant Methanocaldococcus jannaschii 3-hydroxy-3-methylglutaryl-coenzyme A reductase (hmgA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hmgA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for hmgA. It may not necessarily be applicable to this product.

NCBI GI #	15668887

NCBI GeneID	1451573
NCBI Accession #	NP_247690.1
UniProt Primary Accession #	Q58116
UniProt Related Accession #	Q58116
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	3-hydroxy-3-methylglutaryl coenzyme A reductase
NCBI Official Symbol	MJ_0705
UniProt Protein Name	3-hydroxy-3-methylglutaryl-coenzyme A reductase
Protein Family	HMG-Y-related protein
UniProt Gene Name	hmgA
UniProt Synonym Gene Names	HMG-CoA reductase
UniProt Entry Name	HMDH_METJA
NCBI Protein Information	3-hydroxy-3-methylglutaryl coenzyme A reductase
UniProt Comments for hmgA	Converts HMG-CoA to mevalonate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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