Uroporphyrinogen-III Synthase (hemD) Chlorobium Tepidum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uroporphyrinogen-III synthase (hemD), Recombinant Protein
Full Product Name	Recombinant Chlorobium tepidum Uroporphyrinogen-III synthase (hemD)
Product Gene Name	hemD recombinant protein
Product Synonym Gene Name	hemD
Sequence	MKTVLVTRPK HQAEPFVREL AQYGLDSVVF PTIEIRPVTG WSVPDLTRFA GIFFTSPNSV QFFLERLLEE SPDELPNLQQ ARVWAVGKTT GGDLEKHGVS IEPLPKSADA VSLMSGIDAS EIEGKTFLFV RGSLSLGTIP EVIAKRGGIC VELTVYDNIQ PSLEETQKIK SLLTEGKIDC LSFTSPSTAI NFFEAIDSKE VPSDVLIAAI GTTTSSALEK LGVKVDIIPE YFDGPNFAKA IAAALS
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	26,616 Da
Sequence Positions	1-246, 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 Q8KCJ3
Species	Chlorobium tepidum (strain 49652 / DSM 12025 / TLS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemD recombinant protein	MBS1357503 is a recombinant protein targeting hemD. Also known as Recombinant Chlorobium tepidum Uroporphyrinogen-III synthase (hemD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemD 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 hemD. It may not necessarily be applicable to this product.

NCBI GI #	21674249
NCBI GeneID	1005977
NCBI Accession #	NP_662314.1
UniProt Primary Accession #	Q8KCJ3
UniProt Related Accession #	Q8KCJ3

GenBank Nucleotide #	NC_002932.3
NCBI Official Full Name	uroporphyrinogen-III synthase
NCBI Official Symbol	hemD
UniProt Protein Name	Uroporphyrinogen-III synthase
UniProt Synonym Protein Names	Hydroxymethylbilane hydrolyase [cyclizing]; Uroporphyrinogen-III cosynthase
Protein Family	Porphyrin biosynthesis protein
UniProt Gene Name	hemD
UniProt Synonym Gene Names	UROS
NCBI Protein Information	uroporphyrinogen-III synthase
UniProt Comments for hemD	Catalyzes cyclization of the linear tetrapyrrole, hydroxymethylbilane, to the macrocyclic uroporphyrinogen III.
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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