Ferrochelatase (hemH) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ferrochelatase (hemH), Recombinant Protein
Full Product Name	Recombinant Photorhabdus luminescens subsp. laumondii Ferrochelatase (hemH)
Product Gene Name	hemH recombinant protein
Product Synonym Gene Name	hemH
Sequence	MNNGKFGVLL VNLGTPDKPT TAAIRRYLAE FLSDKRVIDL SRFIWKPILY GFVLPFRSSR VAKLYQKIWT DEGSPLLVYG RRQQKLLAER LAGIPVELGM NYGSPSLEQA IDNLLKQNVE QLIVLPLYPQ YSGSSSAAVF DGVSLVLQKY RTIPGMHFIR SYADHPAYIS ALKETIEQSF DKHGQPDRLL LSYHGIPQRF VDTGDIYAEQ CKLTTRLLKQ AINYPTEQVM MAYQSRFGRE QWLTPYVDQT MKTLPNQGIK HIQVLCPGFS SDCLETLEEI KQLNKEMFLN AGGEKFEYIP ALNDNASHIL LLEELVNGFV RNRDE
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	37,069 Da
Sequence Positions	1-325, 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 Q7N0P6
Species	Photorhabdus luminescens subsp. laumondii (strain TT01)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemH recombinant protein	MBS1463243 is a recombinant protein targeting hemH. Also known as Recombinant Photorhabdus luminescens subsp. laumondii Ferrochelatase (hemH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemH 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 hemH. It may not necessarily be applicable to this product.

NCBI GI #	499460828
NCBI Accession #	WP_011147974.1
UniProt Primary Accession #	Q7N0P6
GenBank Nucleotide #	WP_011147974.1
NCBI Official Full Name	ferrochelatase

UniProt Protein Name	Ferrochelatase
UniProt Synonym Protein Names	Heme synthase
Protein Family	Ferrochelatase
UniProt Gene Name	hemH
UniProt Comments for hemH	Catalyzes the ferrous insertion into protoporphyrin IX.
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