# Ferrochelatase (hemH) Rickettsia Bellii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Ferrochelatase (hemH), Recombinant Protein |
| **Full Product Name** | Recombinant Rickettsia bellii Ferrochelatase (hemH) |
| **Product Gene Name** | hemH recombinant protein |
| **Product Synonym Gene Name** | hemH |
| **Sequence** | MNINKKRIAI VLFNLGGPDS LKSVKPFLFN LFYDKAIINL PNPLRYIIAK LISTTREKKS QKIYSLIGGK SPLLEETEKQ KLALAENLKQ ATNEDFNIFI NMRYASPKIE ETIKQIKEYN PTEVILLPLY PQFSTTTTGS SVKNFLSNFN INIPVKVVCC YPVEENFIKA HTALIKEKIF DKNSRVLFSA HGLPQKIIDA GDPYSFQVEE TVKAVVKELN IKDLDYKVTY QSRVGPVEWL KPNTEDEIEI AGKQNKNIII VPIAFVSEHV ETLVELDIEY KLIADKYKIK YNRTPTLSTN KIFIKSLTSI LLKFINKKED DFLVASSNGE RICPDKFSKC LCFTSFPPMR ESSK |
| **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** | 40,447 Da |
| **Sequence Positions** | 1-354, 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 Q1RGK5 |
| **Species** | Rickettsia bellii (strain RML369-C) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for hemH recombinant protein** | MBS1471272 is a recombinant protein targeting hemH. Also known as Recombinant Rickettsia bellii 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.

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| **NCBI GI #** | 499797344 |
| **NCBI Accession #** | WP_011478078.1 |
| **UniProt Primary Accession #** | Q1RGK5 |
| **GenBank Nucleotide #** | WP_011478078.1 |
| **NCBI Official Full Name** | ferrochelatase |

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| **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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