Porphobilinogen Deaminase (hemC) Syntrophomonas Wolfei Subsp. Wolfei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Porphobilinogen deaminase (hemC), Recombinant Protein
Full Product Name	Recombinant Syntrophomonas wolfei subsp. wolfei Porphobilinogen deaminase (hemC)
Product Gene Name	hemC recombinant protein
Product Synonym Gene Name	hemC
Sequence	MRNLRLGTRG SQLALWQARH VASLLESSIP DLKVEIKTIK TTGDKILDVA LSKIGDKGLF TKEIEKELLD GEIDIAVHSM KDLPSELPPG LCIAAVLERE DPRDVLLSHK NYSLADLPQA ALIGTSSLRR IAQLKAWRPD LQLVDMRGNV ETRIRKMKEQ DLDGIILACA GVKRLGLEEM ISDYLPAHLV LPAVGQGMIA VEARSDEQDV LKLLSRINHQ DSFLAGQAER GFLHELGGGC QVPVASLAEL QGGQLHIRGL IASLDGKEKY SGSSDCSPPE AEEAGRELAR SLLQQGGAAI LCETRK
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	33,283 Da
Sequence Positions	1-306, 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 Q0AZ43
Species	Syntrophomonas wolfei subsp. wolfei (strain Goettingen)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemC recombinant protein	MBS1348842 is a recombinant protein targeting hemC. Also known as Recombinant Syntrophomonas wolfei subsp. wolfei Porphobilinogen deaminase (hemC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemC 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 hemC. It may not necessarily be applicable to this product.

NCBI GI #	499959382
NCBI Accession #	WP_011640116.1
UniProt Primary Accession #	Q0AZ43
GenBank Nucleotide #	WP_011640116.1

NCBI Official Full Name	hydroxymethylbilane synthase
UniProt Protein Name	Porphobilinogen deaminase
UniProt Synonym Protein Names	Hydroxymethylbilane synthase
Protein Family	Porphobilinogen deaminase
UniProt Gene Name	hemC
UniProt Synonym Gene Names	PBG; HMBS
UniProt Comments for hemC	Tetrapolymerization of the monopyrrole PBG into the hydroxymethylbilane pre-uroporphyrinogen in several discrete steps.
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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