Porphobilinogen Deaminase (hemC) Escherichia Coli O8 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Porphobilinogen deaminase (hemC), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O8 Porphobilinogen deaminase (hemC)
Product Gene Name	hemC recombinant protein
Sequence	MLDNVLRIAT RQSPLALWQA HYVKDKLMAS HPGLVVELVP MVTRGDVILD TPLAKVGGKG LFVKELEVAL LENRADIAVH SMKDVPVEFP QGLGLVTICE REDPRDAFVS NNYDSLDALP AGSIVGTSSL RRQCQLAERR PDLIIRSLRG NVGTRLSKLD NGEYDAIILA VAGLKRLGLE SRIRAALPPE ISLPAVGQGA VGIECRLDDT RTRELLAALN HHETALRVTA ERAMNTRLEG GCQVPIGSYA ELIDGEIWLR ALVGAPDGSQ IIRGERRGAP QNAEQMGISL AEELLNNGAR EILAEVYNGD APA
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	33,865 Da
Sequence Positions	1-313, 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 B7M603
Species	Escherichia coli O8 (strain IAI1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemC recombinant protein	MBS1170356 is a recombinant protein targeting hemC. Also known as Recombinant Escherichia coli O8 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 #	485666194
NCBI Accession #	WP_001307481.1
UniProt Primary Accession #	B7M603
GenBank Nucleotide #	WP_001307481.1
NCBI Official Full Name	MULTISPECIES: 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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