Porphobilinogen Deaminase (hemC) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Porphobilinogen deaminase (hemC), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris Porphobilinogen deaminase (hemC)
Product Gene Name	hemC recombinant protein
Product Synonym Gene Name	hemC
Sequence	MTTLRIATRK SPLALWQSEH VATALRQHHP GLEVVLVPMS TRGDEVLDRS LAAIGGKGLF LKELELAMLR GEADCAVHSL KDVPMELDAP FVLPAILERG DPADALVSNL YATLQALPLG ARVGTSSLRR QAQLRAARPD LELIDLRGNV NTRLAKLDNG GYDAIVLACA GLQRLGLEAR ITARLDAPEW LPAPAQGAVA VECRGDDARI HDLLAVLDAG RTRACVEAER AMNRALHGSC HVPVAAFARW EGEDLFLQGM VGSASDGRLI HAEAHGSPDA TEDLGRLVAD GLFEKGAAQL LAEL
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	32,460 Da
Sequence Positions	1-304, 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 Q4UYZ4
Species	Xanthomonas campestris pv. campestris (strain 8004)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemC recombinant protein	MBS1354940 is a recombinant protein targeting hemC. Also known as Recombinant Xanthomonas campestris pv. campestris 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 #	499349310
NCBI Accession #	WP_011038603.1
UniProt Primary Accession #	Q4UYZ4
GenBank Nucleotide #	WP_011038603.1

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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