Porphobilinogen Deaminase (HEM3) Ashbya Gossypii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Porphobilinogen deaminase (HEM3), Recombinant Protein
Full Product Name	Recombinant Ashbya gossypii Porphobilinogen deaminase (HEM3)
Product Gene Name	HEM3 recombinant protein
Product Synonym Gene Name	HEM3; ABL107C
Product Synonym Names	Porphobilinogen deaminase; PBG; EC=2.5.1.61; Hydroxymethylbilane synthase; HMBS; Pre-uroporphyrinogen synthase
Sequence	MGEETLRIAG RRSKLAVIQS ESVKEIVQRE FPNYTCTVLA KQTLGDQVQS KPLYAFGGKA LWTKELEDLL YEEDLDQRID MIVHSLKDMP TQLPEGFELG AITKRVDPSD CLVMAAGSPY KTLGDLPNGS VVGTSSIRRS AQLRRRYPHL VFASVRGNIQ TRLKKLDDPE NECKCIILAT AGLVRLGLES RITQRFDSTI MLHAVGQGAL GIETRTGDER LQAILAKVAD RNSTICCLAE RSLMRTLEGG CSVPIGVYST FDEETSMLTL DGLVVSVDGA DAAEATVSYK IKSDKEDAIA CGQLLAAKLL EAGAKKILDA IHLPEA
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	35,526 Da
Sequence Positions	1-326aa; 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 Q75DY0
Species	Ashbya gossypii (strain 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (Eremothecium gossypii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HEM3 recombinant protein	MBS1333912 is a recombinant protein targeting HEM3. Also known as Recombinant Ashbya gossypii Porphobilinogen deaminase (HEM3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of HEM3 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 HEM3. It may not necessarily be applicable to this product.

NCBI GI #	45185123
NCBI GeneID	4618920
NCBI Accession #	NP_982840.1

UniProt Primary Accession #	Q75DY0
UniProt Related Accession #	Q75DY0
GenBank Nucleotide #	NM_208193.1
NCBI Official Full Name	ABL107Cp
NCBI Official Symbol	AGOS_ABL107C
UniProt Protein Name	Porphobilinogen deaminase
UniProt Synonym Protein Names	Hydroxymethylbilane synthase; HMBS; Pre-uroporphyrinogen synthase
UniProt Gene Name	HEM3
UniProt Synonym Gene Names	PBG; HMBS
UniProt Entry Name	HEM3_ASHGO
NCBI Protein Information	ABL107Cp
UniProt Comments for HEM3	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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