Bifunctional Enzyme Fae/Hps (fae-hps) Methanoculleus Marisnigri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional enzyme fae/hps (fae-hps), Recombinant Protein
Full Product Name	Recombinant Methanoculleus marisnigri Bifunctional enzyme fae/hps (fae-hps)
Product Gene Name	fae-hps recombinant protein
Sequence	MYLIGEALVG DGAELAHIDL IMGNKEGAVG QAFANSISQL SKGHTPLLAV VRPNLPTKPS TLIIPKVTLK KEYQVNQMFG PVQAAVAKAV ADSIEEGVFE GVDIEDTVIM ASVFVHPTAQ DYNKIYRFNY GAMKLALRRA LDRFPDVETL LHEKDRAAHA VMGFKVQRLW DPPYLQVAMD LVDRNHMNRV LDELPQNDHL IIEAGTPLIK KFGLSIISEI RERRPNAFIV ADLKTLDTGN LEARMTADAG ADAVVISGLA PISTIEKAIE DTRKTGIYTV IDMLNVKDPV AVVKQLKVKP DVVELHRGID VEDTAYAWGD IPAIKKAGGE RLLVATAGGI RQGVVKDARK AGADILVVGR AITASKNIQH AAEEFLEELS TEEIDQFRIM TDF
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	43,018 Da
Sequence Positions	1-393, 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 A3CUG8
Species	Methanoculleus marisnigri (strain 35101 / DSM 1498 / JR1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fae-hps recombinant protein	MBS1202791 is a recombinant protein targeting fae-hps. Also known as Recombinant Methanoculleus marisnigri Bifunctional enzyme fae/hps (fae-hps). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fae-hps 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 fae-hps. It may not necessarily be applicable to this product.

NCBI GI #	500169504
NCBI Accession #	WP_011843929.1
UniProt Primary Accession #	A3CUG8
GenBank Nucleotide #	WP_011843929.1
NCBI Official Full Name	3-hexulose-6-phosphate synthase

UniProt Protein Name	Bifunctional enzyme Fae/Hps
UniProt Synonym Protein Names	D-arabino-3-hexulose-6-phosphate formaldehyde lyase
Protein Family	Bifunctional enzyme
UniProt Gene Name	fae-hps
UniProt Synonym Gene Names	Fae; HPS
UniProt Comments for fae-hps	Catalyzes the condensation of formaldehyde with tetrahydromethanopterin (H4MPT) to 5,10-methylenetetrahydromethanopterin.
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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