Glutamate-1-Semialdehyde 2,1-Aminomutase (hemL) Frankia Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate-1-semialdehyde 2,1-aminomutase (hemL), Recombinant Protein
Full Product Name	Recombinant Frankia sp. Glutamate-1-semialdehyde 2,1-aminomutase (hemL)
Product Gene Name	hemL recombinant protein
Product Synonym Gene Name	hemL
Sequence	MVVPSAAPAS EELFRRAERV VPGGVNSPVR AFRAVGGTPR FMVAGNGPYL TDADGRTYID LVCSWGPMIL GHAHPAVVEA VSRAVSVGTS FGTPTPGEVE LAELIVDRVG PVEKVRLVNS GTEATMSAVR LARGFTGRST IIKFAGCYHG HVDALLASAG SGVATLGLPD TPGVTGAATA DTIVLPYNDL ALVEAVFVER GETIAAVITE AAAANMGVVP PLPGFNAGLR RLCDIHGALL ILDEVMTGFR ISRAGWWGNE GAIEDWSPDL FTFGKVMGGG LPAAAFGGRA DVMARLAPAG PVYQAGTLSG NPIAVAAGLA TLRACTDEVY ATVDTRAADV AGIVSTALTE EGVAHLPSSA GSLFSFFFTD AATVVDYAGA QAQNTARYAA FFHSMLDAGI YLPPSAFEAW FVSAAHDDET VERIAAAAPA AARAAAAVPE PVTVSASPEG RA
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	46,309 Da
Sequence Positions	1-452, 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 Q2JFQ1
Species	Frankia sp. (strain CcI3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemL recombinant protein	MBS1357849 is a recombinant protein targeting hemL. Also known as Recombinant Frankia sp. Glutamate-1-semialdehyde 2,1-aminomutase (hemL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemL 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 hemL. It may not necessarily be applicable to this product.

NCBI GI #	499754233
NCBI Accession #	WP_011434967.1
UniProt Primary Accession #	Q2JFQ1
GenBank Nucleotide #	WP_011434967.1

NCBI Official Full Name	MULTISPECIES: glutamate-1-semialdehyde 2,1-aminomutase
UniProt Protein Name	Glutamate-1-semialdehyde 2,1-aminomutase
UniProt Synonym Protein Names	Glutamate-1-semialdehyde aminotransferase
Protein Family	Glutamate-1-semialdehyde 2,1-aminomutase
UniProt Gene Name	hemL
UniProt Synonym Gene Names	GSA; GSA-AT
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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