Glutamate-1-Semialdehyde 2,1-Aminomutase (hemL) Thermoplasma Acidophilum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate-1-semialdehyde 2,1-aminomutase (hemL), Recombinant Protein
Full Product Name	Recombinant Thermoplasma acidophilum Glutamate-1-semialdehyde 2,1-aminomutase (hemL)
Product Gene Name	hemL recombinant protein
Product Synonym Gene Name	hemL
Sequence	MGSKDLFQRG SSLFPMGVNS PVRYFKDYPF YVDNASGSRI YDVDGNEYID YCLAYGPSIL GHADPDVVRA VRDQAEKGLI YGAPSEAEIR LGDIIRRSSK NIEMMRFTNS GTEATMHAIR LARAYTGRSI IVKMEGGFHG AHDYSLIRSG SGTLTFGSPS SPGVPEEVAR TVVVGRYNDE ANIRNIFSQY GSRIAAVITE PIMGNAGVIT PEPGFLEFLR DITQKNGSLL IFDEVITGYR FAFSPYQDII GIRPDLTTMG KIIGGGMPIG LFGGSADIMK KVSPSGDVYQ SGTFSGNPVT MAAGFAALKK LQGMDYASLV RRTEKLMNGI DDILAKRKIR HVVNGYRSMF QFFFAESAKN YDEVMKADRD LYFRIFKRLM NHGVYVPPSQ FETNFVSFAH SDDDISKTIE AFDLSVGEAA K
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	46,430 Da
Sequence Positions	1-421, 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 Q9HKM6
Species	Thermoplasma acidophilum (strain 25905 / DSM 1728 / JCM 9062 / NBRC 15155 / AMRC-C165)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemL recombinant protein	MBS1476126 is a recombinant protein targeting hemL. Also known as Recombinant Thermoplasma acidophilum 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 #	851298240
NCBI Accession #	WP_048161655.1
UniProt Primary Accession #	Q9HKM6

GenBank Nucleotide #	WP_048161655.1
NCBI Official Full Name	aspartate aminotransferase family protein
UniProt Protein Name	Glutamate-1-semialdehyde 2,1-aminomutase
UniProt Synonym Protein Names	Glutamate-1-semialdehyde aminotransferase; GSA-AT
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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