Glutamyl-Trna Reductase (hemA) Moorella Thermoacetica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamyl-tRNA reductase (hemA), Recombinant Protein
Full Product Name	Recombinant Moorella thermoacetica Glutamyl-tRNA reductase (hemA)
Product Gene Name	hemA recombinant protein
Product Synonym Gene Name	hemA
Sequence	MFVVAAGLNH RTAPVAIREQ LAFARHGLPP ALCRLKEEAG VEGCVILSTC NRTEVYIACN QEEAGLKAAK NFLGRSCKLA LADLEGYLYT LNTHHAVRHL FRVAAGLDSM ILGEDQVLAQ VAEAYQVARE TGTTNNVLNT LWQQAIYAGK RVRTETRIDA NTVSVSYAAV ELARQVFHDE LDGRTVLVIG AGKMSTLAAR YLKDKGVTTV LVSNRSYDRA VALAATIGGQ AVRLDALEDY LPRADIVISC TAASHYILHR DQVARAVAAR PGVPLMLIDI AVPRDIEPAA GDLPGVKLYD IDDLQQVVLA NLEERKKAAR QAEGIIAAEA EAFFQWLGSL YVVPTIVALK EKAEAIKNAE VRRACNRLGQ LTTREQKIIT SMATTIVNQL LHDAIVNLKA AALTPRGHLY VEALQELFEL RVDHTLPGPD MAVSVEGGRK Y
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	48,018 Da
Sequence Positions	1-441, 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 Q2RJ25
Species	Moorella thermoacetica (strain 39073)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hemA recombinant protein	MBS1338244 is a recombinant protein targeting hemA. Also known as Recombinant Moorella thermoacetica Glutamyl-tRNA reductase (hemA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hemA 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 hemA. It may not necessarily be applicable to this product.

NCBI GI #	499712030
NCBI Accession #	WP_011392764.1
UniProt Primary Accession #	Q2RJ25
GenBank Nucleotide #	WP_011392764.1

NCBI Official Full Name	glutamyl-tRNA reductase
UniProt Protein Name	Glutamyl-tRNA reductase
Protein Family	5-aminolevulinate synthase
UniProt Gene Name	hemA
UniProt Synonym Gene Names	GluTR
UniProt Comments for hemA	Catalyzes the NADPH-dependent reduction of glutamyl-tRNA(Glu) to glutamate 1-semialdehyde (GSA).
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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