Glutamate Racemase (murI) Gloeobacter Violaceus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate racemase (murI), Recombinant Protein
Full Product Name	Recombinant Gloeobacter violaceus Glutamate racemase (murI)
Product Gene Name	murI recombinant protein
Product Synonym Gene Name	murI
Sequence	MVLGLFDSGL GGLTVLREIA RRLPAQPVIY FADTARLPYG SRTPAEICRY VREILHWFEQ QGVQRVLMAC NTSSALALPV VASEYALKVG GLIAPAARAA ARRGRRIGVI ATAATVQSHA YTRAIQALTP RAQVWEVACP EFVPLVEGGR LLGEEVRSVA RRYLAPLVEQ RIDTLVYGCT HYPYLAPVIG DLLPASVRCV DPAVAAVAEL AAALPPSRRL ETRAACHFFV SGDPVRFAQA AYPWLDYYPQ VQAVALPPLP AAQTN
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	28,727 Da
Sequence Positions	1-265, 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 Q7NKI2
Species	Gloeobacter violaceus (strain PCC 7421)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murI recombinant protein	MBS1356726 is a recombinant protein targeting murI. Also known as Recombinant Gloeobacter violaceus Glutamate racemase (murI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of murI 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 murI. It may not necessarily be applicable to this product.

NCBI GI #	37521065
NCBI GeneID	2598674
NCBI Accession #	NP_924442.1
UniProt Primary Accession #	Q7NKI2
UniProt Related Accession #	Q7NKI2

GenBank Nucleotide #	NC_005125.1
NCBI Official Full Name	glutamate racemase
NCBI Official Symbol	gll1496
UniProt Protein Name	Glutamate racemase
Protein Family	Glutamate racemase
UniProt Gene Name	murI
NCBI Protein Information	glutamate racemase
UniProt Comments for murI	Provides the (R)-glutamate required for cell wall biosynthesis.
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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