Glutamate Racemase (murI) Deinococcus Radiodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate racemase (murI), Recombinant Protein
Full Product Name	Recombinant Deinococcus radiodurans Glutamate racemase (murI)
Product Gene Name	murI recombinant protein
Product Synonym Gene Name	murI; DR_1586
Product Synonym Names	Glutamate racemase; EC=5.1.1.3
Sequence	MPPVSFAAAS DPAPRSALPI GVFDSGAGGL SVLAELQRAL PQEDVLYLAD TAHVPYGARS DEDIRDLTAR AVAELVRRGV KAVVVACNTA SAFSLTHLRE RFELPIIGLV PAVKPAVAAT KSGVVGVLAT PGTLRGTLLA DVIRQWAEPA GVRVMQAVST ELVPLVEAGK ADSPEARVVL RDVLEPLAEA GADQLVLGCT HYPFLAGSIR AEFGDTFALV DSGAAVARHT RNVLSRGGLL RGGDRTGEVS YLTTSDPAHL RALLMTLRPG GADGASLPDP PSPRIELTTT
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	30,144 Da
Sequence Positions	1-290aa; 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 Q9RU10
Species	Deinococcus radiodurans (strain 13939 / DSM 20539 / JCM 16871 / LMG 4051 / NBRC 15346 / NCIMB 9279 / R1 / VKM B-1422)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for murI recombinant protein	MBS1328656 is a recombinant protein targeting murI. Also known as Recombinant Deinococcus radiodurans 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 #	15806594
NCBI GeneID	1799495
NCBI Accession #	NP_295309.1

UniProt Primary Accession #	Q9RU10
GenBank Nucleotide #	NC_001263.1
NCBI Official Full Name	glutamate racemase
NCBI Official Symbol	DR_1586
UniProt Protein Name	Glutamate racemase
Protein Family	Glutamate racemase
UniProt Gene Name	murI
UniProt Entry Name	MURI_DEIRA
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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