Glutamate--Trna Ligase (gltX) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate--tRNA ligase (gltX), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Glutamate--tRNA ligase (gltX)
Product Gene Name	gltX recombinant protein
Sequence	MSDRIRVRYA PSPTGYLHIG NARTALFNYL YAKHYNGDFV IRIEDTDKKR NLEDGETSQF DNLKWLGLDW DESVDKDNGY GPYRQSERQH IYQPLIDQLL AEDKAYKCYM TEEELEAERE AQIARGEMPR YGGQHAHLTE EQRQQFEAEG RQPSIRFRVP QNQTYSFDDM VKGNISFDSN GIGDWVIVKK DGIPTYNFAV AIDDHYMQIS DVIRGDDHIS NTPKQIMIYE AFGWEPPRFG HMSLIVNEER KKLSKRDGQI LQFIEQYRDL GYLPEALFNF IALLGWSPEG EEEIFSKEEF IKIFDEKRLS KSPAFFDKQK LAWVNNQYMK QKDTETVFQL ALPHLIKANL IPEVPSEEDL SWGRKLIALY QKEMSYAGEI VPLSEMFFKE MPALGEEEQQ VINGEQVPEL MTHLFSKLEA LEPFEAAEIK KTIKEVQKET GIKGKQLFMP IRVAVTGQMH GPELPNTIEV LGKEKVLNRL KQYK
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	56,289 Da
Sequence Positions	1-484 , 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 A6TZ04
Species	Staphylococcus aureus (strain JH1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gltX recombinant protein	MBS1257472 is a recombinant protein targeting gltX. Also known as Recombinant Staphylococcus aureus Glutamate--tRNA ligase (gltX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gltX 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 gltX. It may not necessarily be applicable to this product.

NCBI GI #	447206536
NCBI Accession #	WP_001283792.1
UniProt Primary Accession #	A6TZ04
GenBank Nucleotide #	WP_001283792.1
NCBI Official Full Name	MULTISPECIES: glutamate--tRNA ligase

UniProt Protein Name	Glutamate--tRNA ligase
UniProt Synonym Protein Names	Glutamyl-tRNA synthetase
Protein Family	Glutamate--tRNA ligase
UniProt Gene Name	gltX
UniProt Synonym Gene Names	GluRS
UniProt Comments for gltX	Catalyzes the attachment of glutamate to tRNA(Glu) in a two-step reaction: glutamate is first activated by ATP to form Glu-AMP and then transferred to the acceptor end of tRNA(Glu).
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