Glutamine--Trna Ligase (glnS) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamine--tRNA ligase (glnS), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Glutamine--tRNA ligase (glnS)
Product Gene Name	glnS recombinant protein
Sequence	MSEAEARPTN FIRQIIDEDL ASGKHTTVHT RFPPEPNGYL HIGHAKSICL NFGIAQDYKG QCNLRFDDTN PVKEDIEYVE SIKNDVEWLG FHWSGNVRYS SDYFDQLHAY AIELINKGLA YVDELTPEQI REYRGTLTQP GKNSPYRDRS VEENLALFEK MRAGGFEEGK ACLRAKIDMA SPFIVMRDPV LYRIKFAEHH QTGNKWCIYP MYDFTHCISD ALEGITHSLC TLEFQDNRRL YDWVLDNITI PVHPRQYEFS RLNLEYTVMS KRKLNLLVTD KHVEGWDDPR MPTISGLRRR GYTAASIREF CKRIGVTKQD NTIEMASLES CIREDLNENA PRAMAVIDPV KLVIENYQGE GEMVTMPNHP NKPEMGSRQV PFSGEIWIDR ADFREEANKQ YKRLVLGKEV RLRNAYVIKA ERVEKDAEGN ITTIFCTYDA DTLSKDPADG RKVKGVIHWV SAAHALPVEI RLYDRLFSVP NPGAADDFLS VINPESLVIK QGFAEPSLKD AVAGKAFQFE REGYFCLDSR HSTAEKPVFN RTVGLRDTWA KVGE
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	63,478 Da
Sequence Positions	1-554, 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 B1IY48
Species	Escherichia coli (strain 8739 / DSM 1576 / Crooks)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glnS recombinant protein	MBS1232706 is a recombinant protein targeting glnS. Also known as Recombinant Escherichia coli Glutamine--tRNA ligase (glnS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glnS 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 glnS. It may not necessarily be applicable to this product.

NCBI GI #	447209898
NCBI Accession #	WP_001287154.1
UniProt Primary Accession #	B1IY48
GenBank Nucleotide #	WP_001287154.1

NCBI Official Full Name	MULTISPECIES: glutamine--tRNA ligase
UniProt Protein Name	Glutamine--tRNA ligase
UniProt Synonym Protein Names	Glutaminyl-tRNA synthetase
Protein Family	Glutamine--tRNA ligase
UniProt Gene Name	glnS
UniProt Synonym Gene Names	GlnRS
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