Glycine--Trna Ligase Alpha Subunit (glyQ) Shewanella Halifaxensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycine--tRNA ligase alpha subunit (glyQ), Recombinant Protein
Full Product Name	Recombinant Shewanella halifaxensis Glycine--tRNA ligase alpha subunit (glyQ)
Product Gene Name	glyQ recombinant protein
Sequence	MTTKHDVKTF QGFIMTLQEY WAQQGCAIVQ PLDMEVGAGT FHPMTFLRSL GPEPMSSAYV QPSRRPTDGR YGENPNRLQH YYQFQVVLKP SPSNMQELYL GSLEALGVDM NVHDVRFVED NWESPTLGAW GLGWEIWLNG MEVSQFTYFQ QVGGLECKPV TGEITYGLER LAMYIQEVDS VYDLVWTDGP LGKVMYGDIF HQNEVEQSTY NFEHADVDVQ FKMFDDCEQA CQRLLALEKP LPLPAYEQVM KASHAFNLLD ARHAISVTER QRYILRVRTM AKGVAEAYYQ AREALGFPMC K
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	34,485 Da
Sequence Positions	1-301, 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 B0TLB0
Species	Shewanella halifaxensis (strain HAW-EB4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glyQ recombinant protein	MBS1187988 is a recombinant protein targeting glyQ. Also known as Recombinant Shewanella halifaxensis Glycine--tRNA ligase alpha subunit (glyQ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glyQ 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 glyQ. It may not necessarily be applicable to this product.

NCBI GI #	501232123
NCBI Accession #	WP_012275141.1
UniProt Primary Accession #	B0TLB0
GenBank Nucleotide #	WP_012275141.1
NCBI Official Full Name	glycine--tRNA ligase subunit alpha
UniProt Protein Name	Glycine--tRNA ligase alpha subunit

UniProt Synonym Protein Names	Glycyl-tRNA synthetase alpha subunit
Protein Family	Glycine--tRNA ligase
UniProt Gene Name	glyQ
UniProt Synonym Gene Names	GlyRS
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