Glycine--Trna Ligase (glyQS) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycine--tRNA ligase (glyQS), Recombinant Protein
Full Product Name	Recombinant Staphylococcus saprophyticus subsp. saprophyticus Glycine--tRNA ligase (glyQS)
Product Gene Name	glyQS recombinant protein
Product Synonym Gene Name	glyQS
Sequence	MTKDMETIVS LAKHRGFVFP GSDIYGGLSN TWDYGPLGVE LKNNVKKAWW QKFITQSPYN VGIDAAILMN PKTWEASGHL GNFNDPMIDN KDSKIRYRAD KIIEDYMLNE KGDENFVADG LSFDEMKRII DEEGIVCPVS GTANWTDIRQ FNLMFKTFQG VTEDSTNEIF LRPETAQGIF VNYKNVQRTM RKKLPFGIGQ IGKSFRNEIT PGNFIFRTRE FEQMELEFFC KPGEEIEWQN YWKTFASQWL KDLNLSEEAT RLRDHDADEL SHYSNATTDI EYRFPFGWGE LWGIASRTDF DLKKHSEHSG EDFQYHDQET GEKYIPYCIE PSLGADRVTL AFLCDAYDEE GVEGSKDSRT VLHFHPALAP YKAAVLPLSK KLSGDAIKVF EELSADFAID FDESQSIGKR YRRQDEIGTP YCITFDFDSL EDEKVTVRDR DTMEQVRMPI TELKSFLAEK VKF
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	53,476 Da
Sequence Positions	1-463, 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 Q49Y08
Species	Staphylococcus saprophyticus subsp. saprophyticus (strain 15305 / DSM 20229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glyQS recombinant protein	MBS1341985 is a recombinant protein targeting glyQS. Also known as Recombinant Staphylococcus saprophyticus subsp. saprophyticus Glycine--tRNA ligase (glyQS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glyQS 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 glyQS. It may not necessarily be applicable to this product.

NCBI GI #	488413782
NCBI Accession #	WP_002483167.1
UniProt Primary Accession #	Q49Y08
GenBank Nucleotide #	WP_002483167.1

NCBI Official Full Name	MULTISPECIES: glycine--tRNA ligase
UniProt Protein Name	Glycine--tRNA ligase
UniProt Synonym Protein Names	Glycyl-tRNA synthetase
UniProt Gene Name	glyQS
UniProt Synonym Gene Names	GlyRS
UniProt Comments for glyQS	Catalyzes the attachment of glycine to tRNA(Gly).
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