Glycine--Trna Ligase Alpha Subunit (glyQ) Rhodospirillum Rubrum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycine--tRNA ligase alpha subunit (glyQ), Recombinant Protein
Full Product Name	Recombinant Rhodospirillum rubrum Glycine--tRNA ligase alpha subunit (glyQ)
Product Gene Name	glyQ recombinant protein
Product Synonym Gene Name	glyQ
Sequence	MAETPSFQSL ILRLQQFWAA QGCVLLQPYD MEVGAGTFHP ATTLRALGPE PWKAAYVQPS RRPTDGRYGE NPNRLQHYYQ FQVILKPSPA DPQALYLDSL RALGIDPLKH DIRFVEDDWE SPTLGAWGLG WEVWCDGMEV TQFTYFQQVG GFDCDPVPVE MTYGLERLAM YIQGVENVYD LDYNGAGVRY GDIFLQGEKE FSAHNFEYAN TEALFRHFKD AEEECMALLA KGVPLPAYDQ CIKASHRFNL LDARGVISVT ERAAYIGRVR ALAKGCCEGW LRARGHLPPL TGTEG
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	33,225 Da
Sequence Positions	1-295, 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 Q2RQ44
Species	Rhodospirillum rubrum (strain 11170 / NCIB 8255)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glyQ recombinant protein	MBS1404296 is a recombinant protein targeting glyQ. Also known as Recombinant Rhodospirillum rubrum 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 #	499709970
NCBI Accession #	WP_011390704.1
UniProt Primary Accession #	Q2RQ44
GenBank Nucleotide #	WP_011390704.1
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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