Glycine--Trna Ligase Alpha Subunit (glyQ) Xanthomonas Campestris Pv. Vesicatoria Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycine--tRNA ligase alpha subunit (glyQ), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. vesicatoria Glycine--tRNA ligase alpha subunit (glyQ)
Product Gene Name	glyQ recombinant protein
Product Synonym Gene Name	glyQ
Sequence	MSDSRRVPIT FQGLIQTLNQ YWAEQGCVLI QPLDLEVGAG TFHPATFLRA LGPEPWNAAY VQPSRRPTDG RYGENPNRLQ RYYQYQVAMK PNPDNIQDLY LGSLQALGID PLVHDLRFVE DNWESPTLGA WGLGWEVWLN GMEVTQFTYF QQAGGLECKP VLGEITYGLE RLCMYLQSCD NVYELVWTYG PDGAAVTYGD VYHQNEVEQS TYNFEHANVA ELFHRFDACE AEARHLVEVG LPLPAYEQVT KASHAFNLLD ARRAISVTER QRYILRVRAL AQGVAQAYYA QREKLGFPGV KK
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	34,362 Da
Sequence Positions	1-302, 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 Q3BMH1
Species	Xanthomonas campestris pv. vesicatoria (strain 85-10)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glyQ recombinant protein	MBS1333791 is a recombinant protein targeting glyQ. Also known as Recombinant Xanthomonas campestris pv. vesicatoria 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 #	495853196
NCBI Accession #	WP_008577775.1
UniProt Primary Accession #	Q3BMH1
GenBank Nucleotide #	WP_008577775.1

NCBI Official Full Name	MULTISPECIES: 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
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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