Monofunctional Biosynthetic Peptidoglycan Transglycosylase (mtgA) Vibrio Parahaemolyticus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Monofunctional biosynthetic peptidoglycan transglycosylase (mtgA), Recombinant Protein
Full Product Name	Recombinant Vibrio parahaemolyticus Monofunctional biosynthetic peptidoglycan transglycosylase (mtgA), partial
Product Gene Name	mtgA recombinant protein
Product Synonym Gene Name	mtgA
Sequence	MLKRLKSFLF KMVLILLIAP IVLVGVVKYV DPPIWGWKLS RIVAPPKNYP DSSQHEWVSL TRISKNMQLA VIATEDQKFP HHYGVDFESL FDVISEAGDH GPSRGASTIT QQAAKNVFLF PSHSYVRKAY ELYFALLMEL MWSKERILEV YLNVVEFGPG IYGAEAAAQN YFGVSAKQLS KWQAARLAVV LPNPYRIKVY PQSDYTARRT RWAMNQMSNL GSVQL
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	25,629 Da
Sequence Positions	1-225
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 Q87FR1
Species	Vibrio parahaemolyticus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtgA recombinant protein	MBS1428558 is a recombinant protein targeting mtgA. Also known as Recombinant Vibrio parahaemolyticus Monofunctional biosynthetic peptidoglycan transglycosylase (mtgA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtgA 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 mtgA. It may not necessarily be applicable to this product.

NCBI GI #	28901472
NCBI GeneID	1192313
NCBI Accession #	NP_801127.1
UniProt Primary Accession #	Q87FR1

UniProt Related Accession #	Q87FR1
GenBank Nucleotide #	NC_004605.1
NCBI Official Full Name	monofunctional biosynthetic peptidoglycan transglycosylase
NCBI Official Symbol	mtgA
UniProt Protein Name	Biosynthetic peptidoglycan transglycosylase
UniProt Synonym Protein Names	Glycan polymerase
Protein Family	Monofunctional biosynthetic peptidoglycan transglycosylase
UniProt Gene Name	mtgA
UniProt Synonym Gene Names	PGT
NCBI Protein Information	monofunctional biosynthetic peptidoglycan transglycosylase
UniProt Comments for mtgA	Peptidoglycan polymerase that catalyzes glycan chain elongation from lipid-linked precursors.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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