Monofunctional Biosynthetic Peptidoglycan Transglycosylase (mtgA) Shewanella Frigidimarina Recombinant Protein

PRODUCT OVERVIEW

Product Name	Monofunctional biosynthetic peptidoglycan transglycosylase (mtgA), Recombinant Protein
Full Product Name	Recombinant Shewanella frigidimarina Monofunctional biosynthetic peptidoglycan transglycosylase (mtgA), partial
Product Gene Name	mtgA recombinant protein
Product Synonym Gene Name	mtgA
Sequence	MTDRKRGFFG WTWFVMWRFL LLLALLLLVL RFVPPPTTSF MLQSDYPVSQ HWVSIDELPA HMPLAVVAAE DQLFPEHFGV DINSITKALN QYDDGEGLRG ASTITQQTAK NLLLWPGRNF VRKGLEAMLA VSLEAIWGKK RILEVYLNVA EFGKGIYGVE AASQHYFNKS ARYLSNNEAA RLAVLLPSPR NRNPNNLTPY LRQRVAWGEK QMRQLGSGYL KPILTN
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	25,735 Da
Sequence Positions	1-226
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 Q07X68
Species	Shewanella frigidimarina (strain NCIMB 400)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtgA recombinant protein	MBS1355835 is a recombinant protein targeting mtgA. Also known as Recombinant Shewanella frigidimarina 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 #	499958252
NCBI Accession #	WP_011638986.1
UniProt Primary Accession #	Q07X68
GenBank Nucleotide #	WP_011638986.1

NCBI Official Full Name	monofunctional biosynthetic peptidoglycan transglycosylase
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
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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