Morphogenesis Protein 1 (13) Bacillus Phage PZA Recombinant Protein

PRODUCT OVERVIEW

Product Name	Morphogenesis protein 1 (13), Recombinant Protein
Full Product Name	Recombinant Bacillus phage PZA Morphogenesis protein 1 (13)
Product Gene Name	13 recombinant protein
Sequence	MVYVSNKYLT MSEMKVNAQY ILNYLSNNGW TKQAICGMLG NMQSESTINP GLWQNLDEGN TSLGFGLVQW TPASNYINWA NNQGIPYKNM DSELKRIIWE VNNNAQWNNL RDMTFKEYIK STKTPRELAM IFLASYERPA NPNQPVRGDQ AEYWYKNLSG GGGGGLQLAQ FPMDIINITQ GENGSFSHKG TLCIDFVGKT EKYPYYAPCD CTCVWRGDAS AYLAWTSDKE VMCADGSVRY ITWVNVHESP LPFDVGKKLK KGDLMGHTGI GGNVTGDHWH FNVIDGKEYQ GWTKKPDSCL AGTELHIYDV FAVNNVEIIN GNGYDWKTSD WQDGDGGDGG DDNENNKTKD LITLLLSDAL HGWKA
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	40,919 Da
Sequence Positions	1-365, 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 P07538
Species	Bacillus phage PZA (Bacteriophage PZA)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for 13 recombinant protein	MBS1261559 is a recombinant protein targeting 13. Also known as Recombinant Bacillus phage PZA Morphogenesis protein 1 (13). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of 13 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 13. It may not necessarily be applicable to this product.

NCBI GI #	137933
NCBI Accession #	P07538.1
UniProt Primary Accession #	P07538
NCBI Official Full Name	Morphogenesis protein 1
UniProt Protein Name	Morphogenesis protein 1

UniProt Synonym Protein Names	Gene product 13
UniProt Gene Name	13
UniProt Synonym Gene Names	gp13
UniProt Comments for 13	May serve as a plug to restrain the highly pressurized packaged genome and thus would be the first virion protein to contact the host cell wall, degrading the peptidoglycan layer and thereby facilitating viral genome entry into the host bacteria. Acts probably as a multifunctional enzyme that degrades N-acetylglucosamine polymers (in vitro) and cleaves the peptide cross-links of the host cell wall. Essential for the tail assembly.
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Online datasheet: https://www.mybiosource.com/recombinant-protein/morphogenesis-protein-1-13/1261559