Tail Connector Protein Gp15 (15) Enterobacteria Phage T4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tail connector protein Gp15 (15), Recombinant Protein
Full Product Name	Recombinant Enterobacteria phage T4 Tail connector protein Gp15 (15)
Product Gene Name	15 recombinant protein
Sequence	MFGYFYNSSF RRYATLMGDL FSNIQIKRQL ESGDKFIRVP ITYASKEHFM MKLNKWTSIN SQEDVAKVET ILPRINLHLV DFSYNAPFKT NILNQNLLQK GATSVVSQYN PSPIKMIYEL SIFTRYEDDM FQIVEQILPY FQPHFNTTMY EQFGNDIPFK RDIKIVLMSA AIDEAIDGDN LSRRRIEWSL TFEVNGWMYP PVDDAEGLIR TTYTDFHANT RDLPDGEGVF ESVDSEVVPR DIDPEDWDGT VKQTFTSNVN RPTPPEPPGP RT
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	31,557 Da
Sequence Positions	1-272, 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 P11112
Species	Enterobacteria phage T4 (Bacteriophage T4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for 15 recombinant protein	MBS1262419 is a recombinant protein targeting 15. Also known as Recombinant Enterobacteria phage T4 Tail connector protein Gp15 (15). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of 15 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 15. It may not necessarily be applicable to this product.

NCBI GI #	9632589
NCBI GeneID	1258573
NCBI Accession #	NP_049774.1
UniProt Primary Accession #	P11112
UniProt Secondary Accession #	Q9T0U7
GenBank Nucleotide #	NC_000866.4

NCBI Official Full Name	gp15 tail sheath stabilizer and completion protein
NCBI Official Symbol	15
UniProt Protein Name	Tail completion protein gp15
UniProt Synonym Protein Names	Gene product 15; gp15; Tail connector protein 15Curated; Tail terminator proteinCurated
UniProt Gene Name	15
UniProt Synonym Gene Names	gp15
NCBI Protein Information	connector protein to gp3 and/or gp19
UniProt Comments for 15	Stabilizes the tail sheath structure and acts as a connector between the end of tail and the portal vertex of the capsid.
Research Articles on 15	**1.** The crystal structure of the gp15 hexamer is reported and its interactions are described in T4 virions that have either an extended tail or a contracted tail; its structural relationship to other phage proteins is discussed.
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