Lysis Protein (t) Enterobacteria Phage T4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Lysis protein (t), Recombinant Protein
Full Product Name	Recombinant Enterobacteria phage T4 Lysis protein (t)
Product Gene Name	t recombinant protein
Product Synonym Gene Name	t; rv
Product Synonym Names	Recombinant Lysis protein (t); Lysis protein; Holin Protein rV
Sequence	MAAPRISFSP SDILFGVLDR LFKDNATGKV LASRVAVVIL LFIMAIVWYR GDSFFEYYKQ SKYETYSEII EKERTARFES VALEQLQIVH ISSEADFSAV YSFRPKNLNY FVDIIAYEGK LPSTISEKSL GGYPVDKTMD EYTVHLNGRH YYSNSKFAFL PTKKPTPEIN YMYSCPYFNL DNIYAGTITM YWYRNDHISN DRLESICAQA ARILGRAK
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	25,176 Da
Sequence Positions	1-218
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.
Chromosome Location	NC_000866.4 (160221..160877)
3D Structure	ModBase 3D Structure for P06808
Species	Enterobacteria phage T4 (Bacteriophage T4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for t recombinant protein	MBS1230313 is a recombinant protein targeting t. Also known as Recombinant Enterobacteria phage T4 Lysis protein (t). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of t 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 t. It may not necessarily be applicable to this product.

NCBI GI #	9632830
NCBI GeneID	1258610
NCBI Accession #	NP_049865.1
UniProt Primary Accession #	P06808

UniProt Related Accession #	YVBPT4
GenBank Nucleotide #	NC_000866.4
NCBI Official Full Name	t holin lysis mediator
NCBI Official Symbol	t
NCBI Official Synonym Symbols	stII; rV
UniProt Protein Name	Lysis protein
UniProt Synonym Protein Names	Holin; Protein rV
UniProt Gene Name	t
UniProt Synonym Gene Names	rv
UniProt Entry Name	VLYS_BPT4
NCBI Protein Information	pore protein for T4 e lysozyme, controlling lysis timing and lysis inhibition, functions with rI protein; t holin lysis mediator
UniProt Comments for t	Function: At the end of the growth cycle, phage T4 expresses two genes with lysis function, e and t. Nothing is known about the gene product of t, although it has been suggested that it acts as a phospholipase. Subcellular location: Host membrane; Single-pass membrane protein Potential.
Research Articles on t	**1.** the function of the unusual periplasmic domain of T is to transduce environmental information for the real-time control of lysis timing
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