N-Acetylmuramoyl-L-Alanine Amidase (3.5) (T7P20) Enterobacteria Phage T7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-acetylmuramoyl-L-alanine amidase (3.5) (T7p20), Recombinant Protein
Full Product Name	Recombinant Enterobacteria phage T7 N-acetylmuramoyl-L-alanine amidase (3.5)
Product Gene Name	T7p20 recombinant protein
Sequence	ARVQFKQRES TDAIFVHCSA TKPSQNVGVR EIRQWHKEQG WLDVGYHFII KRDGTVEAGR DEMAVGSHAK GYNHNSIGVC LVGGIDDKGK FDANFTPAQM QSLRSLLVTL LAKYEGAVLR AHHEVAPKAC PSFDLKRWWE KNELVTSDRG
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	16,979 Da
Sequence Positions	2-151, 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 P00806
Species	Enterobacteria phage T7 (Bacteriophage T7)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for T7p20 recombinant protein	MBS1251064 is a recombinant protein targeting T7p20. Also known as Recombinant Enterobacteria phage T7 N-acetylmuramoyl-L-alanine amidase (3.5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of T7p20 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 T7p20. It may not necessarily be applicable to this product.

NCBI GI #	9627445
NCBI GeneID	1261077
NCBI Accession #	NP_041973.1
UniProt Primary Accession #	P00806
UniProt Secondary Accession #	Q38567
UniProt Related Accession #	P00806

GenBank Nucleotide #	NC_001604.1
NCBI Official Full Name	lysozyme
NCBI Official Symbol	T7p20
UniProt Protein Name	Endolysin
UniProt Synonym Protein Names	N-acetylmuramoyl-L-alanine amidase
UniProt Gene Name	3.5
NCBI Protein Information	lysozyme
UniProt Comments for T7p20	Plays an important role in the switch between viral transcription and genome replication. Once produced in sufficient amount, interacts with and inhibits the viral RNA polymerase that becomes unable to produce additional late transcripts. This lysozyme-polymerase complex in turn plays an active role in viral genome replication and packaging.
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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