Protein Scib (sciB) Enterobacteria Phage T5 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein sciB (sciB), Recombinant Protein
Full Product Name	Recombinant Enterobacteria phage T5 Protein sciB (sciB)
Product Gene Name	sciB recombinant protein
Sequence	MANDVLVPDL MSPEGMDVIE AYLQCGSDVP SAARSLGMSE IAFRDIMNRS EVKNYLNDIF MESGFRNRDR LFGVLDEVIK RKLEELEETG MGSDQDIMDI LWKAHKMKME EMKMMVELEK VKAAARTPAN QTNIQNNIIA GAGDQNYMDL ITSLATGGKK
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	17,942 Da
Sequence Positions	1-160, 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 P23208
Species	Enterobacteria phage T5 (Bacteriophage T5)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sciB recombinant protein	MBS1248626 is a recombinant protein targeting sciB. Also known as Recombinant Enterobacteria phage T5 Protein sciB (sciB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sciB 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 sciB. It may not necessarily be applicable to this product.

NCBI GI #	46401885
NCBI GeneID	2777680
NCBI Accession #	YP_006984.1
UniProt Primary Accession #	P23208
UniProt Secondary Accession #	Q6QGD1
UniProt Related Accession #	P23208
GenBank Nucleotide #	NC_005859.1

NCBI Official Full Name	hypothetical protein T5.156
NCBI Official Symbol	T5.156
UniProt Protein Name	Probable terminase, small subunit
UniProt Gene Name	T5.156
NCBI Protein Information	hypothetical protein
UniProt Comments for sciB	The terminase small subunit binds to the packaging initiation site and regulates the ATPase activity of the terminase large subunit. The terminase lies at a unique vertex of the procapsid and is composed of two subunits, a small terminase subunit involved in viral DNA recognition (packaging sequence), and a large terminase subunit possessing endonucleolytic and ATPase activities. Both terminase subunits heterooligomerize and are docked on the portal protein to form the packaging machine. The terminase large subunit exhibits endonuclease activity and cleaves the viral genome concatemer at the long non-permuted direct terminal repeats. Once the capsid is packaged with the DNA, the terminase complex is substituted by neck proteins.
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