Spore Cortex-Lytic Enzyme (sleB) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Spore cortex-lytic enzyme (sleB), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Spore cortex-lytic enzyme (sleB)
Product Gene Name	sleB recombinant protein
Sequence	FSNQVIQRGA SGEDVIELQS RLKYNGFYTG KVDGVFGWGT YWALRNFQEK FGLPVDGLAG AKTKQMLVKA TKYDKSTANK GTTTNKGNSG GTAQENKPPQ NKGTNVPNGY SQNDIQLMAN AVYGESRGEP YLGQVAVAAV ILNRVTSASF PNTVSGVIFE PRAFTAVADG QIYLTPNETA KKAVLDAING WDPTGNALYY FNPDTATSKW IWTRPQIKKI GKHIFCK
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	28,257 Da
Sequence Positions	33-259, 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 P0A3V1
Species	Bacillus cereus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sleB recombinant protein	MBS1108265 is a recombinant protein targeting sleB. Also known as Recombinant Bacillus cereus Spore cortex-lytic enzyme (sleB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sleB 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 sleB. It may not necessarily be applicable to this product.

NCBI GI #	447171797
NCBI Accession #	WP_001249053.1
UniProt Primary Accession #	P0A3V1
UniProt Secondary Accession #	P70874
GenBank Nucleotide #	WP_001249053.1
NCBI Official Full Name	MULTISPECIES: spore cortex-lytic enzyme

UniProt Protein Name	Spore cortex-lytic enzyme
UniProt Synonym Protein Names	Germination-specific amidase
Protein Family	Spore cortex-lytic enzyme
UniProt Gene Name	sleB
UniProt Synonym Gene Names	SCLE
UniProt Comments for sleB	Probable N-acetylmuramyl-L-alanine amidase. Required for spore cortex hydrolysis during germination. May form a complex with some hydrophobic spore component, leading to a stabilization of the enzyme in a spore-bound form.
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