Probable Cytosol Aminopeptidase (pepA) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable cytosol aminopeptidase (pepA), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Probable cytosol aminopeptidase (pepA)
Product Gene Name	pepA recombinant protein
Sequence	MFQVQKELAS HEAVVVALFE EEKTSSFVQE LDKAFEGQLQ VLLEEKELST KKKAISKVHS LGKTDVKRYY FVGLGKKESY TTETLRSALG KTFKTLQAAK VQDAAILLDS FVTEKLDAID VAHIAAEVQG LGTYELQTYK SDKKDRVELE KFTAITAEDA QEIEAALTVG YVHGRATNSA RTLVNMPPNV LTATKLAEYA VELAEKYDMD YKVLEKEEME ELGMGALLAV NQGSVEPPKM IALIYKGKEE WTDVIGFVGK GITYDTGGYS LKPREGMVGM KGDMGGAAAV LGAMEIIGEL RPEQNVIAVI PSTDNVVSGT AFKPDDVITS MSGKTIEVLN TDAEGRLALA DGITYAKKLG ANYLIDVATL TGGVIVALGN HTTGAMTNNE ELFEQVLEAS METDESIWQL PIFDRDKERV RNSKFADLNN SPGREGHAVM AGTFIGEFAE DTPWVHLDIA GTSESSGAHD LGPAGATGAM VRTLATLVER FGEE
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	53,514 Da
Sequence Positions	1-494, Full length
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 B7JDH9
Species	Bacillus cereus (strain AH820)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pepA recombinant protein	MBS1227532 is a recombinant protein targeting pepA. Also known as Recombinant Bacillus cereus Probable cytosol aminopeptidase (pepA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pepA 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 pepA. It may not necessarily be applicable to this product.

NCBI GI #	446410130
NCBI Accession #	WP_000487985.1
UniProt Primary Accession #	B7JDH9
GenBank Nucleotide #	WP_000487985.1

NCBI Official Full Name	MULTISPECIES: cytosol aminopeptidase
UniProt Protein Name	Probable cytosol aminopeptidase
UniProt Synonym Protein Names	Leucine aminopeptidase
Protein Family	Aspartic protease
UniProt Gene Name	pepA
UniProt Synonym Gene Names	LAP
UniProt Comments for pepA	Presumably involved in the processing and regular turnover of intracellular proteins. Catalyzes the removal of unsubstituted N-terminal amino acids from various peptides.
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