Peptidyl-Trna Hydrolase (pth) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidyl-tRNA hydrolase (pth), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Peptidyl-tRNA hydrolase (pth)
Product Gene Name	pth recombinant protein
Product Synonym Gene Name	pth
Sequence	MKLIVGLGNP GREYELTRHN IGFMAIDELA KRWNISLNEQ KFKGVFGAGF VNGEKVILLK PLTYMNLSGE SIRPLMDYYK IDVEDFVVMY DDLDIPVGKL RLRMKGSAGG HNGVKSTISH LGTQEFQRIR MGIDRPKNGM KVVDYVLGRF TSEEIPDVNH SIEKAADACE EWLNKPFLQI MNTFNS
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	21,100 Da
Sequence Positions	1-186, 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 Q81J96
Species	Bacillus cereus (strain 14579 / DSM 31)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pth recombinant protein	MBS1335680 is a recombinant protein targeting pth. Also known as Recombinant Bacillus cereus Peptidyl-tRNA hydrolase (pth). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pth 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 pth. It may not necessarily be applicable to this product.

NCBI GI #	30018322
NCBI GeneID	1202409
NCBI Accession #	NP_829953.1
UniProt Primary Accession #	Q81J96
GenBank Nucleotide #	NC_004722.1
NCBI Official Full Name	peptidyl-tRNA hydrolase

NCBI Official Symbol	BC0056
UniProt Protein Name	Peptidyl-tRNA hydrolase
Protein Family	Parathyroid hormone
UniProt Gene Name	pth
UniProt Synonym Gene Names	PTH
NCBI Protein Information	peptidyl-tRNA hydrolase
UniProt Comments for pth	The natural substrate for this enzyme may be peptidyl-tRNAs which drop off the ribosome during protein synthesis.
Research Articles on pth	**1.** Describe the cloning and expression of peptidyl-tRNA hydrolase 1 gene from Bacillus cereus as an N-terminal hexahistidine fusion protein.
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