Probable Cytosol Aminopeptidase (pepA) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable cytosol aminopeptidase (pepA), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus Probable cytosol aminopeptidase (pepA)
Product Gene Name	pepA recombinant protein
Sequence	MTFQAIATHP QDWTGDTLAL GLTTAAIGET LSSELQKLDQ QWNGVLQELI SDSEFKAKLA ETTTTRIGGS IRKLILVGLG ESPTTEDYRR AAAAVAKQAR SFKSQTLAIA FPPSDDPAAI ASAIVEGISL ALYKDQRFKS EPDTASGPSS IELLGLAGQE AAIARAEQVV AGVELARQLV AAPANVVTPV TMADTAQELA AELGLELEIL EADECEKRGM GAFLGVAKAS DLPPKFIHLT YRPESTPRRK LAIVGKGLTF DSGGYNIKGA GSGIEMMKTD MGGAAATLGA AKAIGLIKPD VEVHFISAVT ENMISGRGMH PGDILTASNG KTIEVNNTDA EGRLTLADAL VFADGLGVDA IVDLATLTGA CIIALGDDIA GLWSPSDDLA EQLLQAGKAA GEKLWRLPLE EPYLDGLKSP VADYKNTGPR AGGSITAALF LKQFVKHPVW AHLDVAGPVW SDKEKHYNPA GATGYGVRTL VNWVLS
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	51,006 Da
Sequence Positions	1-486, 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 O06865
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pepA recombinant protein	MBS1253440 is a recombinant protein targeting pepA. Also known as Recombinant Synechococcus elongatus 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 #	499697173
NCBI Accession #	WP_011377907.1
UniProt Primary Accession #	O06865
UniProt Secondary Accession #	Q31NZ9; Q8KPQ6
GenBank Nucleotide #	WP_011377907.1

NCBI Official Full Name	MULTISPECIES: cytosol aminopeptidase
UniProt Protein Name	Probable cytosol aminopeptidase
UniProt Synonym Protein Names	Leucine aminopeptidase (EC:3.4.11.10); LAP; Leucyl aminopeptidase
Protein Family	Aspartic protease
UniProt Gene Name	pepA
UniProt Synonym Gene Names	ampA; lap; 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 ().
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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