Peptidase E (pepE) Streptomyces Coelicolor Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidase E (pepE), Recombinant Protein
Full Product Name	Recombinant Streptomyces coelicolor Peptidase E (pepE)
Product Gene Name	pepE recombinant protein
Product Synonym Gene Name	pepE
Sequence	MNLLLLSNST QHGRGYLEHA LDTVTGFLPA GARLAFVPYA LADHDTYTAR VRGALADAGI DVRGVHEGGD PLARLDEADA VFVGGGNSFR LLSALYRTGL REALVKAVRG GLPYMGASAG TNMAAPSLRT TNDMPIVEPP SFETLGLVPF QINPHYLDPD PGSTHKGETR EERLREFLEE NDVPVLGLRE GSWLRVEGDR AVLGGERDAR LFRRGTAPRE LAVGSDLSEL LDVRGEFDTG TRS
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	26,236 Da
Sequence Positions	1-243, 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 Q93RZ5
Species	Streptomyces coelicolor (strain BAA-471 / A3(2) / M145)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pepE recombinant protein	MBS1355008 is a recombinant protein targeting pepE. Also known as Recombinant Streptomyces coelicolor Peptidase E (pepE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pepE 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 pepE. It may not necessarily be applicable to this product.

NCBI GI #	21219109
NCBI GeneID	1095998
NCBI Accession #	NP_624888.1
UniProt Primary Accession #	Q93RZ5
UniProt Related Accession #	Q93RZ5

GenBank Nucleotide #	NC_003888.3
NCBI Official Full Name	peptidase E
NCBI Official Symbol	SCO0575
NCBI Official Synonym Symbols	SC5G5.07
UniProt Protein Name	Peptidase E
UniProt Synonym Protein Names	Alpha-aspartyl dipeptidase
Protein Family	Aminopeptidase
UniProt Gene Name	pepE
NCBI Protein Information	peptidase E
UniProt Comments for pepE	Hydrolyzes dipeptides containing N-terminal aspartate residues. May play a role in allowing the cell to use peptide aspartate to spare carbon otherwise required for the synthesis of the aspartate family of amino acids.
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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