Xaa-Pro Dipeptidase (pepQ) Yersinia Pseudotuberculosis Serotype O:3 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Xaa-Pro dipeptidase (pepQ), Recombinant Protein
Full Product Name	Recombinant Yersinia pseudotuberculosis serotype O:3 Xaa-Pro dipeptidase (pepQ)
Product Gene Name	pepQ recombinant protein
Sequence	METLASLYNE HLSTLQQRTR DVLERHQLDA LLIHSGELQR LFLDDRDYPF KVNPQFKAWV PVTEVPNCWL WVDGVNTPKL WFYSPVDYWH SVEPLPDSFW TKNIDVQPLL NADDIAQQLP VQRERVAYIG YAQQRAQALG FSAENINPQP VLDYLHYYRS YKTDYELACM REAQKTAVVG HRAAYEAFQS GMSEFDINLA YLMATGHRDT DVPYDNIVAL NEHSAVLHYT ILQHQPPAEI RSFLIDAGAE YNGYAADLTR TYAADRDSDF AALISDLNTE QLALIDTIKS GERYTDYHVQ MHQRIAKLLR THNLVTGISE EAMVEQGITC PFLPHGLGHP LGLQVHDTAG FMQDDKGTNL NAPSKYPYLR CTRVLQPRMV LTIEPGLYFI DSLLAPWRIG EFSKHFNWDR IDALKPYGGI RIEDNIVIHD KRVENMTRDL KLA
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	50,882 Da
Sequence Positions	1-443, 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 B1JP62
Species	Yersinia pseudotuberculosis serotype O:3 (strain YPIII)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pepQ recombinant protein	MBS1262396 is a recombinant protein targeting pepQ. Also known as Recombinant Yersinia pseudotuberculosis serotype O:3 Xaa-Pro dipeptidase (pepQ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pepQ 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 pepQ. It may not necessarily be applicable to this product.

NCBI GI #	499504908
NCBI Accession #	WP_011191548.1
UniProt Primary Accession #	B1JP62
GenBank Nucleotide #	WP_011191548.1

NCBI Official Full Name	MULTISPECIES: Xaa-Pro dipeptidase
UniProt Protein Name	Xaa-Pro dipeptidase
UniProt Synonym Protein Names	Imidodipeptidase
Protein Family	Xaa-Pro dipeptidase
UniProt Gene Name	pepQ
UniProt Synonym Gene Names	X-Pro dipeptidase; Prolidase
UniProt Comments for pepQ	Splits dipeptides with a prolyl residue in the C-terminal position.
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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