Peptidase T (pepT) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Peptidase T (pepT), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri Peptidase T (pepT)
Product Gene Name	pepT recombinant protein
Product Synonym Gene Name	pepT
Sequence	MDKLLERFLN YVSLDTQSKA GVRQVPSTEG QWKLLHLLKE QLEEMGLINV TLSEKGTLMA TLPANVPGDI PAIGFISHVD TSPDCSGKNV NPQIVENYRG GDIALGIGDE VLSPVMFPVL HQLLGQTLIT TDGKTLLGAD DKAGIAEIMT ALAVLQQKNI PHGDIRVAFT PDEEVGKGAK HFDVDAFDAR WAYTVDGGGV GELEFENFNA ASVNIKIVGN NVHPGTAKGV MVNALSLAAR IHAEVPADES PEMTEGYEGF YHLASMKGTV ERADMHYIIR DFDRKQFEAR KRKMMEIAKK VGKGLHPDCY IELVIEDSYY NMREKVVEHP HILDIAQQAM RDCDIEPELK PIRGGTDGAQ LSFMGLPCPN LFTGGYNYHG KHEFVILEGM EKAVQVIVRI AELTAQRK
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	44,921 Da
Sequence Positions	1-408, 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 Q83RR6
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pepT recombinant protein	MBS1331426 is a recombinant protein targeting pepT. Also known as Recombinant Shigella flexneri Peptidase T (pepT). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pepT 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 pepT. It may not necessarily be applicable to this product.

NCBI GI #	56479830
NCBI GeneID	1024052
NCBI Accession #	NP_707040.2
UniProt Primary Accession #	Q83RR6

UniProt Secondary Accession #	Q7UCV8
GenBank Nucleotide #	NC_004337.2
NCBI Official Full Name	peptidase T
NCBI Official Symbol	pepT
UniProt Protein Name	Peptidase T
UniProt Synonym Protein Names	Aminotripeptidase
Protein Family	Peptidase
UniProt Gene Name	pepT
UniProt Synonym Gene Names	Tripeptidase
NCBI Protein Information	peptidase T
UniProt Comments for pepT	Cleaves the N-terminal amino acid of tripeptides.
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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