Aminopeptidase B (RNPEP) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aminopeptidase B (RNPEP), Recombinant Protein
Full Product Name	Recombinant Human Aminopeptidase B (RNPEP)
Product Gene Name	RNPEP recombinant protein
Product Synonym Gene Name	RNPEP
Sequence	ASGEHSPGSG AARRPLHSAQ AVDVASASNF RAFELLHLHL DLRAEFGPPG PGAGSRGLSG TAVLDLRCLE PEGAAELRLD SHPCLEVTAA ALRRERPGSE EPPAEPVSFY TQPFSHYGQA LCVSFPQPCR AAERLQVLLT YRVGEGPGVC WLAPEQTAGK KKPFVYTQGQ AVLNRAFFPC FDTPAVKYKY SALIEVPDGF TAVMSASTWE KRGPNKFFFQ MCQPIPSYLI ALAIGDLVSA EVGPRSRVWA EPCLIDAAKE EYNGVIEEFL ATGEKLFGPY VWGRYDLLFM PPSFPFGGME NPCLTFVTPC LLAGDRSLAD VIIHEISHSW FGNLVTNANW GEFWLNEGFT MYAQRRISTI LFGAAYTCLE AATGRALLRQ HMDITGEENP LNKLRVKIEP GVDPDDTYNE TPYEKGFCFV SYLAHLVGDQ DQFDSFLKAY VHEFKFRSIL ADDFLDFYLE YFPELKKKRV DIIPGFEFDR WLNTPGWPPY LPDLSPGDSL MKPAEELAQL WAAEELDMKA IEAVAISPWK TYQLVYFLDK ILQKSPLPPG NVKKLGDTYP SISNARNAEL RLRWGQIVLK NDHQEDFWKV KEFLHNQGKQ KYTLPLYHAM MGGSEVAQTL AKETFASTAS QLHSNVVNYV QQIVAPKGS
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	72,596 Da
Sequence Positions	2-650, 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.
OMIM	602675
3D Structure	ModBase 3D Structure for Q9H4A4
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RNPEP recombinant protein	MBS1338119 is a recombinant protein targeting RNPEP. Also known as Recombinant Human Aminopeptidase B (RNPEP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RNPEP 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 RNPEP. It may not necessarily be applicable to this product.

NCBI GI #	983616484

NCBI GeneID	6051
NCBI Accession #	NP_001306111.1
UniProt Primary Accession #	Q9H4A4
UniProt Secondary Accession #	Q9BVM9; Q9H1D4; Q9NPT7
UniProt Related Accession #	Q9H4A4
GenBank Nucleotide #	NM_001319182.1
NCBI Official Full Name	aminopeptidase B isoform b
NCBI Official Synonym Full Names	arginyl aminopeptidase
NCBI Official Symbol	RNPEP
NCBI Official Synonym Symbols	APB; AP-B
UniProt Protein Name	Aminopeptidase B
UniProt Synonym Protein Names	Arginine aminopeptidase; Arginyl aminopeptidase
Protein Family	Aminopeptidase
UniProt Gene Name	RNPEP
UniProt Synonym Gene Names	APB; AP-B
NCBI Protein Information	aminopeptidase B
UniProt Comments for RNPEP	Exopeptidase which selectively removes arginine and/or lysine residues from the N-terminus of several peptide substrates including Arg0-Leu-enkephalin, Arg0-Met-enkephalin and Arg(-1)-Lys0-somatostatin-14. Can hydrolyze leukotriene A4 (LTA-4) into leukotriene B4 (LTB-4) ().
Research Articles on RNPEP	**1.** The substrate Angiotensin II, the enzymes aminopeptidases-A, B, M as well as IRAP were detected in the jejunal mucosa.
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