

Active Recombinant Full Length Human RNPEP protein, His-tagged

Cat. No. RNPEP-45H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RNPEP(Met1-Ser650) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-650 a.a.
Predicted N Terminal	Inconclusive: Met1 predicted. Protein identity confirmed by MS analysis of tryptic fragments.
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Arg-7-amido-4-methylcoumarin (Arg-AMC). The specific activity is >8,000 pmol/min/µg.
Molecular Mass	Predicted Molecular Mass: 74 kDa; SDS-PAGE: 60-70 kDa, reducing conditions.
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane

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Storage	Avoid repeated freeze-thaw cycles.
	6 months from date of receipt, -20 to -70 centigrade as supplied.
	3 months, -20 to -70 centigrade under sterile conditions after opening.

GENE INFORMATION

Gene Name	RNPEP arginyl aminopeptidase (aminopeptidase B) [Homo sapiens]
Official Symbol	RNPEP
Synonyms	RNPEP; arginyl aminopeptidase (aminopeptidase B); aminopeptidase B; AP-B; arginine aminopeptidase; DKFZp547H084;
Gene ID	6051
mRNA Refseq	NM_020216
Protein Refseq	NP_064601
MIM	602675
UniProt ID	Q9H4A4
Chromosome Location	1q32
Function	aminopeptidase activity; aminopeptidase activity; cobalt ion binding; copper ion binding; epoxide hydrolase activity; metal ion binding; metalloaminopeptidase activity; metalloexopeptidase activity; peptidase activity; peptide binding; zinc ion binding;

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