# Recombinant Human XPNPEP1

**Cat. No.** XPNPEP1-30132TH **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant full length human XPNPEP1 protein, 72kDa. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | This gene encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. The gene product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones. Alternative splicing results in multiple transcript variants. |
| **Tissue specificity** | Expressed in all tissues tested, including pancreas, heart, muscle, kidney, liver, lung and brain. Highest levels in pancreas. |
| **Form** | Liquid |
| **Purity** | >95% by SDS-PAGE |
| **Storage buffer** | Preservative: NoneConstituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5 |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **Sequence Similarities** | Belongs to the peptidase M24B family. |

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| **Full Length** | Full L. |

## GENE INFORMATION

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| **Gene Name** | XPNPEP1 X-prolyl aminopeptidase (aminopeptidase P) 1, soluble [ Homo sapiens ] |
| **Official Symbol** | XPNPEP1 |
| **Synonyms** | XPNPEP1; X-prolyl aminopeptidase (aminopeptidase P) 1, soluble; X prolyl aminopeptidase (aminopeptidase P) like , XPNPEP, XPNPEPL, XPNPEPL1; xaa-Pro aminopeptidase 1; |
| **Gene ID** | 7511 |
| **mRNA Refseq** | NM_001167604 |
| **Protein Refseq** | NP_001161076 |
| **MIM** | 602443 |
| **Uniprot ID** | Q9NQW7 |
| **Chromosome Location** | 10q25.3 |
| **Function** | aminopeptidase activity; aminopeptidase activity; hydrolase activity; manganese ion binding; metal ion binding; |

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