

Recombinant Human XPNPEP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. XPNPEP1-5522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	XPNPEP1 MS Standard C13 and N15-labeled recombinant protein (NP_065116) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	69.9 kDa
AA Sequence	MPPKVTSELLRQLRQAMRNSEYVTEPIQAYIIPSGDAHQSEYIAPCDCRRAFVSGFD GSAGTAITEEHAAMWTDGRYFLQAAKQMDSNWTLMKMGLKDTPTQEDWLVSVP EGSRVGVDPLIPTDYWKMAKVLRSAGHHLIPVKENLVDKIWTD RPERPCKPLLTG LDYTGISWKDKVADLRKMAERNVMWFVVTALDEIAWLFNLRGSDVEHNPVFFSYAI IGLETIMLFIDGDRIDAPSVKEHLLLDLGLAEYRIQVHPYKSILSELKALCADLSPREK VWVSDKASYAVSETIPKDHRCMPYTPICIAKAVKNSAESEGMRRRAHIKDAVALCEL FNWLEKEVPKGGVTEISAADKAEFFRRQQADFVDLSFPTISSTGPNGAIIHYAPVPET NRTLSDLDEVYLIDSGAQYKDGTTDVTTRTMHFGTPTAYEKECFTYVLKGHIAVSAAVF PTGTKGHLLDSFARSALWDSGLDYLHGTGHGVGSFLNVHEGPCGISYKTFSDPELE

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AGMIVTDEPGYYEDGAFGIRIENVVLVVPVKTKYNFNNGSLTFEPLTLVPIQTKMIDV
 DSLTDKECDWLNNYHLTCRDVIGKELQKQGRQEALWLIRETQPISKQHTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name XPNPEP1 X-prolyl aminopeptidase 1 [Homo sapiens (human)]

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; X-Pro aminopeptidase 1; soluble aminopeptidase P; cytosolic aminopeptidase P; aminopeptidase P, cytosolic; aminoacylproline aminopeptidase; X-prolyl aminopeptidase 1, soluble; APP1; SAMP; XPNPEP; XPNPEPL; XPNPEPL1;

Gene ID 7511

mRNA Refseq NM_020383

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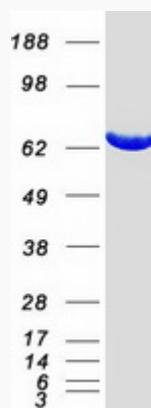
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Protein Refseq NP_065116

MIM 602443

UniProt ID Q9NQW7

SDS-PAGE



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