

Recombinant Human XPNPEP1, His-tagged

Cat. No. XPNPEP1-87H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human XPNPEP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	XPNPEP1 also known as Xaa-Pro aminopeptidase 1 isoform 1, is encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. This product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol
Molecular Mass	73.4kDa (655aa)
AA Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSEFELRRQ ASMPPKVTSE LLRQLRQAMR NSEYVTEPIQ AYIIPSGDAH QSEYIAPCDC RRAVSVSGFDG SAGTAITEE HAAMWTDGRY FLQAAKQMDS NWTLMKMGK DTPTQEDWL SVLPEGSRVG VDPLIIPDY WKKMAKVLRS AGHHLIPVKE NLVDKIWTDR PERPCKPLLT LGLDYGISW KDKVADLRLK MAERNVMWFV VTALDEIAWL FNLRGSDVEH NPVFFSYAII GLETIMLFID GDRIDAPSVK EHLLLDLGLE AEYRIQVHPY KSILSELKAL CADLSPREKV WVSDKASYAV SETIPKDHRC CMPYTPICIA KAVKNSAESE GMRRRAHIKDA VALCELFNWL EKEVPKGGVT EISAADKAAE FRRQQADFVD LSFPTISSTG PNGAIIHYAP VPETNRTLSTL DEVYLIDSGA</p>

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QYKDGTTDVT RTMHFGTPTA YEKECFYVL KGHIAVSAAV FPTGTKGHLL
 DSFARSALWD SGLDYLHGTG HGVGSLNVH EGPCGISYKT FSDEPLEAGM
 IVTDEPGYYE DGAFGIRIEN VVLVVPVGTK YNFNNRGS LT FEPLTLVPIQ
 TKMIDVDSL T DKECDWLNNY HLTCRDVIGK ELQKQGRQEA LEWLIRETQP ISKQH

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

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; 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_001167604](#)

Protein Refseq [NP_001161076](#)

MIM [602443](#)

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UniProt ID	Q9NQW7
Chromosome Location	10q25.3
Function	aminopeptidase activity; aminopeptidase activity; hydrolase activity; manganese ion binding; metal ion binding; metalloaminopeptidase activity; metallopeptidase activity; peptidase activity; protein homodimerization activity;

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