

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	MGSSHHHHHH SSGLVPRGSH MGSEFELRRQ ASMPPKVTSE LLRQLRQAMR NSEYVTEPIQ AYIIPSGDAH QSEYIAPCDC RRAVVSFGFDG SAGTAITEE HAAMWTDGRY FLQAAKQMDS NWTLMKMG LK DTPTQEDWL V SVLPEGSRVG VDPLIIP TDY WKKMAKVLRS AGHHLIPVKE NLVDKIWTDR PERPCKPLLT LGLDYGISW KDKVADLRLK MAERNVMWFV VTALDEIAWL FNLRGSDVEH NPVFFSYAII GLETIMLFID GDRIDAPSVK EHLLLDLGL E AEYRIQVHPY KSILSELKAL CADLSPREKV WVSDKASYAV SETIPKDHRC CMPYTPICIA KAVKNSAESE GMRRAHIKDA VALCELFNWL EKEVPKGGVT EISAADK AEE FRRQQADFVD LSFPTISSTG PNGAIIHYAP VPETNRTL SL DEVYLIDSGA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QYKDGTTDVT RTMHFGTPTA YEKECFTYVL KGHIAVSAAV FPTGTKGHLL
 DSFARSALWD SGLDYLHGTG HGVGSLNVH EGPCGISYKT FSDEPLEAGM
 IVTDEPGYYE DGAFGIRIEN VVLVVPVKTK 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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