

Active Recombinant Human XPNPEP1 Protein, His-tagged

Cat. No. XPNPEP1-726H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human XPNPEP1 (Accession # NP_065116) Met1-His623 & Pro2-His623, fused with a C-terminal 6-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-His623 & Pro2-His623
Predicted N Terminal	Met1 & Pro2
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, H-Lys(2-Aminobenzoyle)-Pro-Pro-p-Nitroanilide (K(Abz)PP-pNA). The specific activity is >1,300 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human XPNPEP1, His-tagged has a calculated MW of 71 kDa. In SDS-PAGE migrates as 71 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
UniProt ID	Q9NQW7
Chromosome Location	10q25.3

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