Active Recombinant Human XPNPEP2 protein, His-tagged

Cat. No. XPNPEP2-3939H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human XPNPEP2 protein(O43895) (Met 1-Ala 650) without the pro peptide was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-650 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, H-Lys(2-Aminobenzoyl)Pro-Pro-pNitroanilide(K(Abz)PP-pNA). The specific activity is > 300 pmoles/min/μg.
Molecular Mass	The recombinant human XPNPEP2 consists of 640 amino acids and predictes a molecular mass of 72 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh XPNPEP2 is approximately 80 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

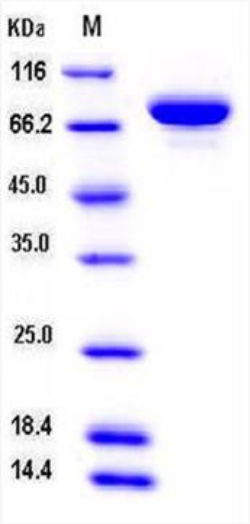
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	thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	XPNPEP2 X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Homo sapiens]
Official Symbol	XPNPEP2
Synonyms	XPNPEP2; X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound; xaa-Pro aminopeptidase 2; mAmP; membrane-bound APP; membrane-bound AmP; X-Pro aminopeptidase 2; aminoacylproline aminopeptidase; membrane-bound aminopeptidase P; APP2;
Gene ID	7512
mRNA Refseq	NM_003399
Protein Refseq	NP_003390
UniProt ID	O43895

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SDS-PAGE	

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