

## Active Recombinant Human XPNPEP2 protein(Met1-Ala650), His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XPNPEP2 (O43895) (Met 1-Ala 650) without the pro peptide was expressed in HEK293, with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ala650
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	The recombinant human XPNPEP2 consists of 640 amino acids and predicts 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.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method.
<b>Purity</b>	> 97 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-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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