

# Human XPNPEP2 Protein

Cat. No. XPP-HM101



## Description

<b>Source</b>	Recombinant Human XPNPEP2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His22-Ala649.
<b>Accession</b>	O43895
<b>Molecular Weight</b>	The protein has a predicted MW of 71.83 kDa. Due to glycosylation, the protein migrates to 73-83 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

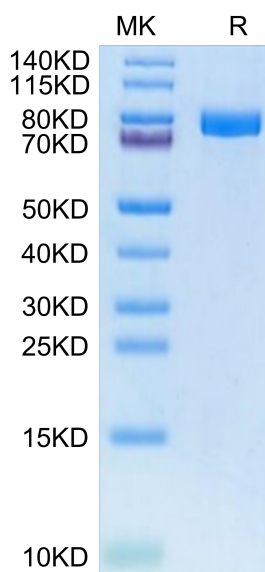
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Aminopeptidase P2 (XPNPEP2) is a receptor for TMTP1 tumor-homing peptide. However, the biological and clinical significance of Aminopeptidase P2 in human cancers remains unknown.

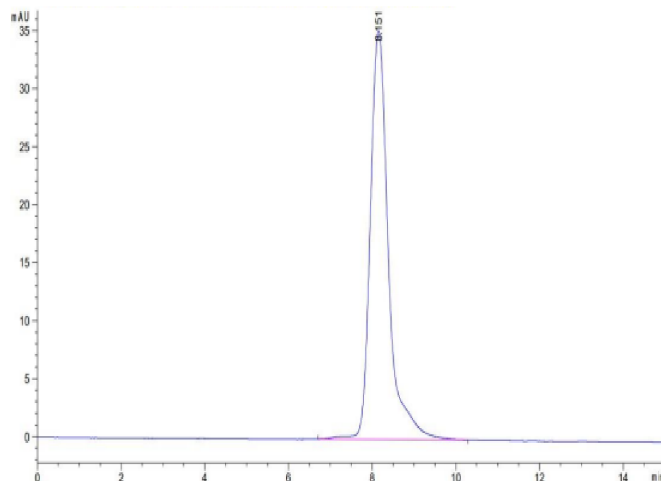
## Assay Data

### Bis-Tris PAGE



Human XPNPEP2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human XPNPEP2 is greater than 95% as determined by SEC-HPLC.

## Bioactivity Data

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### Assay Data

Measured by its ability to cleave the fluorogenic peptide substrate, H-Lys(2-Aminobenzoyl)-Pro-Pro-p-Nitroanilide (K(Abz)PP-pNA). The specific activity is > 300 pmol/min/μg.