

Recombinant Rat XPNPEP2 protein, His-tagged

Cat. No. XPNPEP2-1534R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat XPNPEP2 protein(Q99MA2)(Pro23-Ala650), fused with C-terminal His tag, was expressed in HEK293.
Species	Rat
Source	C-His
ProteinLength	Pro23-Ala650
Tag	C-His
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	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 > 400 pmol/min/µg.
Molecular Mass	The protein has a predicted MW of 72.05 kDa. Due to glycosylation, the protein migrates to 75-85 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC.

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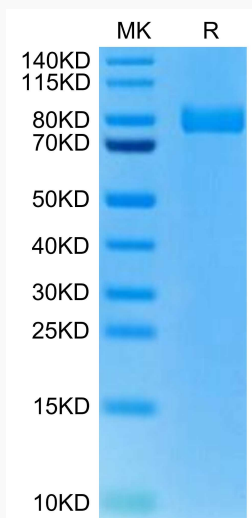
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	Xpnpep2 X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Rattus norvegicus]
Official Symbol	XPNPEP2
Synonyms	XPNPEP2; X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound; xaa-Pro aminopeptidase 2;
Gene ID	117522
mRNA Refseq	NM_057155
Protein Refseq	NP_476496

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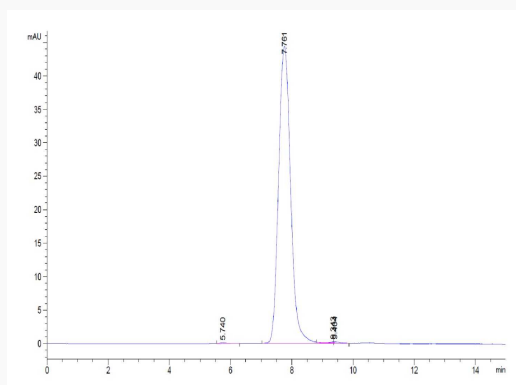
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Tris-Bis PAGE



SEC-HPLC



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