

## Recombinant Human XPNPEP3 Protein, His-tagged

Cat. No. XPNPEP3-414H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XPNPEP3, transcript variant 1, fused with His tag at N, C-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene belongs to the family of X-pro-aminopeptidases that utilize a metal cofactor, and remove the N-terminal amino acid from peptides with a proline residue in the penultimate position. This protein has been shown to localize to the mitochondria of renal cells, and have a role in ciliary function. Mutations in this gene are associated with nephronophthisis-like nephropathy-1. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene, however, expression of some of these isoforms in vivo is not known.
<b>Form</b>	Supplied as a 0.2 μM filtered solution of 25mM Tris, 1mM DTT, pH 7.3
<b>Molecular Mass</b>	60.2kD
<b>AA Sequence</b>	MGSSHHHHHHSSGLVPRGSHMPWLLSAPKLVPAVANVRGLSGCMLCSQRRYSLQ PVPERRIPNRYLGQPSPFTHPHLLRPGEVTPGLSQVEYALRRHKLMSLIQKEAQQQS GTDQTVVVLSNPTYYSNDIPYTFHQDNNFLYLCGFQEPDSILVLQSLPGKQLPSHK AILFVPRRDP SRELWDGPRSGTDGAIALTGVDEAYTLEEFQHLLPKMKAETNMVWY DWMRPSHAQLHSDYMQPLTEAKAKSKNKVGR

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**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

## GENE INFORMATION

**Gene Name** XPNPEP3 X-prolyl aminopeptidase (aminopeptidase P) 3, putative [ Homo sapiens ]

**Official Symbol** XPNPEP3

**Synonyms** XPNPEP3; X-prolyl aminopeptidase (aminopeptidase P) 3, putative; probable Xaa-Pro aminopeptidase 3; APP3; NPHPL1; X-Pro aminopeptidase 3;

**Gene ID** 63929

**mRNA Refseq** NM\_001204827

**Protein Refseq** NP\_001191756

**MIM** 613553

**UniProt ID** Q9NQH7

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