

Recombinant Human XPNPEP3 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human XPNPEP3, transcript variant 1, fused with His tag at N, C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	Supplied as a 0.2 μM filtered solution of 25mM Tris, 1mM DTT, pH 7.3
Molecular Mass	60.2kD
AA Sequence	MGSSHHHHHHSSGLVPRGSHMPWLLSAPKLVPANVRGLSGCMLCSQRRYSLQ PVPERRIPNRYLGQSPFTHPHLLRPGEVTPGLSQVEYALRRHKLMSLIQKEAQQQS GTDQTVVVLSNPTYYSNDIPYTFHQDNNFLYLCGFQEPDSILVLQSLPGKQLPSHK AILFVPRRDP SRELWDGPRSGTDGAIALTGVD EAYTLEEFQHLLPKMKAETNMVWY DWMRPSHAQLHSDYMQPLTEAKAKSKNKVRG

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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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