

# Recombinant Human XPNPEP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** XPNPEP3-1962H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	XPNPEP3 MS Standard C13 and N15-labeled recombinant protein (NP_071381) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	57.1 kDa
<b>AA Sequence</b>	MPWLLSAPKLVPAVANVRGLSGCMLCSQRRYSLQPVPERRIPNRYLGQSPFTHPH LLRPGEVTPGLSQVEYALRRHKLMSLIQKEAQQSGTDQTVVLSNPTYYSNDIPY TFHQDNNFLYLCGFQEPDSILVLQSLPGKQLPSHKAILFVPRRDPSRELWDGPRSGT DGAIALTGVDEAYTLEEFQHLLPKMKAETNMVWYDWMRPSHAQLHSDYMQPLTEA KAKSKNKVRGVQQLIQLRLRIKSPAIEERMQIAGKLTQSQAFIETMFTSKAPVEEAFLYA KFEFECRARGADILAYPPVVAGGNRSNTLHYVKNNQLIKDGEMVLLDGGCESSCYV

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SDITRTWPVNGRFTAPQAELYEAVLEIQRDCLALCFPGTSLENIYSMMLTLIGQKLKD  
 LGIMKNIKENNAFKAARKYCPHHVGHYLGMDVHDTDPMPRSLPLQPGMVITIEPGIYI  
 PEDDKDAPEKFRGLGVRIEDDVVVTQDSPFILSADCPKEMNDIEQICSQASTRTRPL  
 EQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [XPNPEP3 X-prolyl aminopeptidase 3 \[ Homo sapiens \(human\) \]](#)

**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\\_022098](#)

**Protein Refseq** [NP\\_071381](#)

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MIM 613553

UniProt ID Q9NQH7

SDS-PAGE



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