

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

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

SPECIFICATION

Product Overview	XPNPEP3 MS Standard C13 and N15-labeled recombinant protein (NP_071381) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	57.1 kDa
AA Sequence	MPWLLSAPKLVPANVRGLSGCMLCSQRRYSLQPVPERRIPNRYLGQSPFTHPH LLRPGEVTPGLSQVEYALRRHKLMSLIQKEAQQSGTDQTVVLSNPTYYSNDIPY TFHQDNNFLYLCGFQEPDSILVLQSLPGKQLPSHKAILFVPRRDPSRELWDGPRSGT DGAIALTGVD EAYTLEEFQHLLPKMKAETNMVWYDWMRPSHAQLHSDYMQPLTEA KAKSKNKVRGVQQLIQRLRLIKSPAIEERMQIAGKLTSQAFIETMFTSKAPVEEAFLYA 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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