

Product datasheet for **SC123791**

XPNPEP3 (BC001208) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: XPNPEP3 (BC001208) Human Untagged Clone
Tag: Tag Free
Symbol: XPNPEP3
Synonyms: APP3; OTTHUMP00000028904; X-prolyl aminopeptidase (aminopeptidase P) 3, putative
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC001208 edited
 CCCTCTTTCTCTCCCGACGCGTGAGTTAGGCCGTAATGCCTTGGCTGCTCTCAGCCCC
 AAGCTGGTCCCCTGTAGCAAACGTCCGCGCCTCTCAGGATGTATGTTGTGTTACAG
 CGAAGGTAAGTCCCTTCCAGCCTGTCCAGAAAGGAGGATTCCAAACCGATACTTAGGCCAG
 CCCAGCCCCTTTACACACCCACACCTCCTCAGACCAGGGGAGGTAAGTCCAGGACTATCT
 CAGGTGGAATATGCACTTCGACAGACAAAATAATGTCTCTGATCCAGAAGGAAGCTCAA
 GGGCAGAGTGGGACAGACCAGACAGTGGTTGTGCTCTCCAACCCTACATACTACATGAGC
 AACGATATTCCCTATACTTTCCACCAAGACAACAATTTCTGTACCTATGTGGATTCCAA
 GAGCCTGATAGCATTCTGTCCCTCAGAGCCTCCCTGGCAAACAATTACCATCACACAAA
 GCCATACTTTTTGTGCTCGGCGAGATCCAGTCGAGAAGTGGGATGGTCCGCGATCT
 GGCAGTATGGAGCAATAGCTCTAACTGGAGTAGACGAAGCCTATACGCTAGAAGATTT
 CAACATCTTCTACAAAAATGAAAGCTGAGACGAACATGGTTTGGTATGACTGGATGAGG
 CCCTCACATGCACAGCTTCACTCTGACTATATGCAGCCCCTGACTGAGGCCAAAGCCAAG
 AGCAAGAACAAGGTTCCGGGTGTTCCAGCAGCTGATACAGCGCCTCCGGCTGATCAAGTCT
 CCTGCAGAAATGAACGAATGCAGATTGCTGGGAAGCTGACATCACAGAGACAGGGTTTC
 TCAGTGTGTCCAGGCTGGTCTCGAACTCCTGAGCTCAAGCAGTCCGCCACCTTGACCT
 CCCAAAGTGTGGGATTACAGGTATGAGCTGCCATGCCAGCTTCACTTTTTTAAAGAC
 TGAATAATATCCATTGTATGCGTATGCCATATTTATTTGTCTATTCATCCATTGATAA
 ACATTTGGTTTCTATCTTTTTTTTTTTTTTACTATTGTGAATAATGTTGCTGTAACATA
 AGTGTACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC001208 unedited NNAAATAGCAGTACANATCATTGTATACGACTCACTTAGGGCGGCGCGACTTCGGCAGC AGGCCCTCTTTCTCTTCCCGACGCGTGAGTTAGGCCGTAATGCCTTGGCTGCTCTCAGCC CCCAAGCTGGTCCCCTGTAGCAAACGTCCGCGGCTCTCAGGATGTATGTTGTGTTCA CAGCGAAGGTAATCCCTTCAGCCTGTCCAGAAAGGAGGATCCAAACCGATACTTAGGC CAGCCCAGCCCCTTTACACACCCACACCTCCTCAGACCAGGGGAGGTAAGTCCAGGACTA TCTCAGGTGGAATATGCACTTCGCAGACACAACTAATGTCTCTGATCCAGAAGGAAGCT CAAGGGCAGAGTGGGACAGACCAGACAGTGGTTGTGCTCTCCAACCCTACATACTACATG AGCAACGATATTCCTTACTTTCCACCAAGACAACAATTTCTGTACCTATGTGGATTC CAAGAGCTGATAGCATTCTTGTCTTCAGAGCCTCCCTGGCAAACAATTACCATCACAC AAAGCCATACTTTTTGTGCTCGCGAGATCCCAGTCGAGAACTTTGGGATGGTCCGCGA TCTGGCACTGATGGAGCAATAGCTCTAACTGGAGTAGACGAAGCCTATACGCTAGAAGAA TTTCAACATCTTCTACAAAAATGAAAGCTGAGACGAACATGGTTTGGTATGACTGGATG AGGCCCTCACATGCACAGCTTCACTCTGACTATATGCAGCCCCTGACTGAGGCCAAAGCC AAGAGCAAGAACAGGTTCCGGGTGTTCCAGCAGCTGATACAGCCCTTCGGCTGATCAAGT CTCCTGCAGAAATGGACGAA
Restriction Sites:	Please inquire
ACCN:	BC001208
Insert Size:	1113 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC001208.1 , AAH01208.1
RefSeq Size:	1113 bp
Locus ID:	63929
Cytogenetics:	22q13.2
Protein Families:	Druggable Genome, Protease

Gene Summary:

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.[provided by RefSeq, Mar 2011]