

Product datasheet for **RN212946**

Xpnpep3 (NM_001130582) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpnpep3 (NM_001130582) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xpnpep3
Synonyms:	APP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN212946 representing NM_001130582
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTCTCTGCTCTCAACCCAGGCTGGTTCCCGTTATAGCAAGGCTCCGCGCCTCTCAGGATGCA
 TGTGATGTTTACAGCGAAGGTAAGTCCCTCCAGCCGGTCCAGTAAAGGAAATCCAAACCGTACTTAGG
 CCAGCCCAGCCGGTTACACATCCACACCTCTCAGACCAGGGAGGTGACACCAGGGCTATCTCAGGTG
 GAATATGCACTTCGAAGACATAAACTTATGGCTCTGGTCCACAAAGAAGCACAAGGGCACAGTGGGACAG
 ACCACACAGTGGTGGTCTCTAACCCATACACTATATGAGCAACGACATCCCCTACACCTTCCACCA
 AGACAACAGTTCCTGTATCTTTGTGGATTCCAAGAGCCTGATAGCATTCTGGTCTTCAGAGTCTCT
 GGAAGCAGTTACCATCCATAAGGCCATGCTTTTGTGCCTCGGAGAGATCCTGGTCGAGAATTGTGGG
 ATGGCCCCGATCTGGCAGGATGGAGCAATAGCCCTAACTGGAGTGGATGACGCCTACCCGCTGGAAGA
 ATTTACAGCAGTCTACCCAACTGAGAGCTGAGACGAACATGGTTTGGTATGACTGGATGAAGCCTTCT
 CATGCACAACCTCACTCTGACTACATGCAGCCTCTAACTGAAGCCAAAGCCACGAGCAAGAACAAGTTC
 GGAGTGTCCAGCACCTGATACAGCACCTGCGGCTAATTAACTCTCTGCAGAAATTAAGAGAATGCAGAT
 TGCTGGGAAGCTGACATCAGAGGCTTTCATAGAGACCATGTTTCCAGTAAAGCTCCAGTAGACGAAGCC
 TTTCTTTATGCGAAGTTTGAATTTGAGTGCCGTGCCGAGGTGCCGACATCTTAGCCTACCCCTGTGG
 TTGCAGGCGGTAATCGTCCAACTCTGCACTATGTGAAAAATAACCAGCTCATCAAGGATGGTGAAT
 GGTGCTTCTTGATGGAGTTGTGAGTCTTCTGCTATGTGAGTGACATTACCAGGACGTGGCCCGTCAAT
 GGCAGATTCACCCACCTCAGGCAGAGCTCTATGAAGCTGTTCTAGAAAATCCAAAAGCTTGCTTGACAC
 TGTGCTCCCCTGGGACAAGCTTGGAGAACATCTACAGCATGATGCTGACACTGATGGGACAGAAGCTTAA
 GGATCTGGGGATCATAAAGACCAGCAAGGAAAGCGCCTTCAAGGCTGCTCGAAAATACTGCCTCATCAC
 GTGGGCCATTACCTCGGGATGGATGTCCATGACACTCCAGACATGCCTCGTTCACTCCCTCTGCAGCCTG
 GTATGGTATCACGGTTGAACCAGGCATTTATATCCCAGAGGGTACACAGATGCCCCAGAGAAGTTTCG
 AGGTCTCGGAGTTCGGATTGAGGATGATGATGAGTGGTACTCAGGACTCACCTCTTATCCTTTCTGCAGAC
 TGTCCTCAAGGAGTGAATGACATTGAGCAGATCTGCAGCAGGACCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001130582

Insert Size: 1521 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:

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: [NM_001130582.2](#), [NP_001124054.2](#)

RefSeq Size: 2502 bp

RefSeq ORF: 1521 bp

Locus ID: 685823

UniProt ID: [B5DEQ3](#)

Cytogenetics: 7q34

Gene Summary: Catalyzes the removal of a penultimate prolyl residue from the N-termini of peptides, such as Leu-Pro-Ala. Also shows low activity towards peptides with Ala or Ser at the P1 position. Promotes TNFRSF1B-mediated phosphorylation of MAPK8/JNK1 and MAPK9/JNK2, suggesting a function as an adapter protein for TNFRSF1B; the effect is independent of XPNPEP3 peptidase activity. May inhibit apoptotic cell death induced via TNF-TNFRSF1B signaling. [UniProtKB/Swiss-Prot Function]