

Product datasheet for **MC214492**

Xpnpep3 (NM_177310) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Xpnpep3 (NM_177310) Mouse Untagged Clone
Tag: Tag Free
Symbol: Xpnpep3
Synonyms: APP3; E430012M05Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214492 representing NM_177310
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGTCTCTGCTCTCAACCCCAAGCTGGCTCCGTTCTAGCAAGGCTCCGCGCCTCTCAGGATGCA
TGTCATGTTTACAGCGAAGGTAAGTCCCTCCAGCCTGCGCCGTAAGAAGATTCCAAACCGTACTTAGG
CCAGCCCAGCCCGTTACACATCCACACCTCCTCAGACCAGGGGAGGTGACACCAGGGCTATCTCAGGTG
GAATATGCACTTCGAAGACATAAATTATGGCTCTGGTCCACAAAGAAGCACAAAGGGCACAGTGGAAACAG
ACCACACAGTGGTGGTACTCTTAACCCCTACGTAATATGAGCAACGACATCCCCTACACATTCATCA
AGACAACAACCTCCTGTATCTCTGTGGATTCCAAGAGCCTGATAGCATTCTGGTCTTCAGAGCTTCTCT
GGGAAGCAGTTACCATCCCATAAGGCCATGCTTTTTGTGCCTCGGAGAGATCCTGGCCGAGAATTGTGGG
ATGGCCCTCGATCTGGCACAGATGGAGCAATAGCCTTAACCGGAGTGGATGAAGCCTACCCGCTGGAAGA
ATTTCAACACCTGCTACCAAACTGAGAGCTGAGACGAACATGGTTTGGTATGACTGGATGAAGCCTTCT
CATGCACAACCTCACTCTGACTACATGCAGCCTAACTGAAGCCAAAGCCAGGAGCAAGAACAAGGTTT
GGAGTGTCCAGCAGCTGATACAGCGCCTAAGGCTGGTTAAGTCTCCTTCAGAGATTAAGAGAATGCAGAT
TGCTGGGAAGCTGACGTCAGAGGCTTTCATAGAGACCATGTTTGCCAGTAAAGCTCCGATAGATGAAGCC
TTTCTTTACGCGAAGTTTGAATTTGAGTGCCGTGCTCGAGGTGCCGACATCTTAGCCTACCCACCTGTGG
TTGAGCGCGTAATCGCTCCAACACTTTGCACTATGTGAAGAATAATCAACTCATCAAGGATGGTGAAGT
GGTTCTTCTTGTGAGGCTGTGAATCATCCTGCTATGTGAGTGACATCACAGGACATGGCCTGTCAAT
GGCAGGCTGCTCGAAAATACTGCCCTCATCATGTTGGCCATTACCTCGGGATGGATGTCCATGACACTCC
AGACATGCCTCGGTCACCTCTGCAGCCTGGAATGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|---|
| ACCN: | NM_177310 |
| Insert Size: | 1161 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: | <u>NM_177310.2</u> , <u>NP_796284.1</u> |
| RefSeq Size: | 3236 bp |
| RefSeq ORF: | 1161 bp |
| Locus ID: | 321003 |
| UniProt ID: | <u>B7ZMP1</u> |
| Cytogenetics: | 15 E1 |
| 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] |