

Product datasheet for **RN201588**

Xpnpep1 (NM_131913) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xpnpep1 (NM_131913) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xpnpep1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201588 representing NM_131913
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCGAAGGTGACCTCAGAGCTTCTGCGGCAGCTGCGACAAGCTATGAGGAACTCGGAGTGCCTGG
 CAGAACCCTCCAGGCCTACATCATCCCATCGGGAGACGCCACCAGAGTGAGTACATTGCACCCTGTGA
 CTGTCCGAGGGCGTTCGCTCCCGCTTCGATGGCTCTGCAGGCACAGCTATCATCACGGAGGAGCATGCG
 GCCATGTGGACGGATGGGCGCTACTTTCTCCAAGCTGCCAAGCAGATGGACAACAACCTGGACCCTCATGA
 AGATGGGTCTGAAGGACACACCGACTCAGGAGGACTGGCTGGTGGTGTGCTTCCGGAAGGATCCAGGGT
 TGGTGTGGACCCTCTCATCTCCACAGATTACTGGAAGAAGATGGCCAAGGTACTTCGAAGTGTGGT
 CACCACCTCGTCCTGTGAAGGAGAACCTTGTGGATAAGATCTGGACAGACCGGCCAGAGCGCCCTTGCA
 AGCCCTCCTCACACTGGGTCTGGATTACAGGCATCTCGTGAAGGAGAAGGTTGCAGACCTTCGGTT
 GAAAATGGCGGAGAGGAGCATCGTGTGGTTTGTGGTCACTGCCCTAGACGAGATTGCATGGCTGTCAAT
 CTCGAGGGTCAGATGTGGAGCACAACCCGGTGTTCCTCCTACGCAATCATAGGACTAGAGAGGATCA
 TGCTCTTCATCGACGGGGACCGCATTGATGCGCCTGGTGTGAAACAGCACCTGCTCCTTGACTTGGGCT
 GGAGGCAGAATATAAAATCCAGGTGCTGCCTTACAAGTCCATCCTGAGTGAACCTCAAGACCTGTGTGCT
 GACCTGTCCCCGAGGGGAGAAGGTGTGGTCACTGACAAAGCCAGCTATGCTGTGAGCGAGGCCATCCCCA
 AGGATCATCGGTGCTGTATGCCTTATACGCCATCTGCATTGCCAAAGCCGTGAAGAACCTCCGCCGAGTC
 AGCAGGCATGAGGCGGGCTCATATTAAGATGCCGTTGCCCTCTGCGAGCTTCAACTGGCTGGAGCAA
 GAGTCCCAAAGGTGGCGTAACGGAGATCTCTGCAGCTGACAAGGCTGAGGAATTCGAAGACAACAGG
 CTGACTTTGTGGACCTGAGCTTCCCAACGATTTCCAGCACGGGACCCAACGGCGCCATCATTCACTACGC
 GCCGATCCCTGAGACGAATAGGACCCTGTCCCTGGATGAGGTGTATCTCATTGACTCCGGTGTCTCAGTAC
 AAGGATGGAACACAGACGTTACCCGGACCATGCACCTTCGGGACCCTACTGCCTATGAGAAGGAGTGT
 TCACGTATGACTGAAAGGCCACATTGCTGTGAGCGCGGCTGTTTTCCCAACGGGAACCAAGGCCACCT
 TCTAGACTCCTTTGCCGGTCCAGCCCTGTGGGATCCGGCCTGGATTACCTGCACGGAACAGGACACGGC
 GTCGGGTCTTCTGAATGTTCCAGAGGCCCTTGTGGCATCAGTTATAAAACGTTCTCTGACGAGCCCT
 TGAAGCCGGCATGATCGTCACTGATGAGCCAGGGTATTATGAAGATGGGCGTTCGGGATCCGCATCGA
 GAACGTTGTTTTGGTGGTCCCTGCGAAGACCAAGTATAATTTCAATAACCGAGGAAGCCTGACCTTTGAA
 CCTCTAACTTTGGTCCCATCCAGACAAAATGATAGATGTGGATGCTCTTACAGATAAAGAGTGTGACT
 GGCTCAACAGCTACCACCAGACCTGCAGGGATGTGATTGGGAAGGAGCTGCAGACTCAAGGCCGCCAGGA
 AGCTCTCGAGTGGCTCCTCAGAGAGACAGAGCCCATCTCCAGGCAGCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_131913
- Insert Size:** 1872 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_131913.1](#), [NP_571988.1](#)

RefSeq Size: 2381 bp

RefSeq ORF: 1872 bp

Locus ID: 170751

UniProt ID: [O54975](#)

Cytogenetics: 1q55

Gene Summary: cytosolic enzyme that catalyzes the release of any N-terminal amino acid that is linked with proline [RGD, Feb 2006]