

Product datasheet for **RN215052**

Enpp5 (NM_001012744) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp5 (NM_001012744) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Enpp5
Synonyms:	E-NPP 5; Npp5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215052 representing NM_001012744
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATTCCAGAGTTTCTCGTGGTGTCTTGACATTGGCTGCTCTGTGCCATTCAAGTCCCTCTCTCTGC
 AGACAGAACAGCAGAAGGTTCTGGTAGTTTCTTTTGATGGATTCCGCTGGGATTACTTATATAAAGTTCC
 AACCCCTCACTTCCATTATGTCATGAAAAACGGTGTCCATGTGAAGCAAGTCACTAATGTTTTATCACA
 AAGACCTACCCTAACATTACACTTTGGTCACTGGTCTCTTTGCAGAGAATCATGGGATTGTTGCAATG
 ACATGTTTCGATCCTGTTCTGAACAAGTCTTTCTCCTGGAGCACATGAATATTTATGATTCTAAGTTTTG
 GGAAGAAGCCACACCCTGTGGATCACAAACCAGAGGGCAGGGCAGCCTAGTGGTGGCCATGTGGCCT
 GGAACAGACGTCAAGATCACGAGAGTTACCTACCCACTATCTACCGTACAATGAGTCTGTTTCCTTTG
 AGGACAGAGTTGCTAAAATCATTGAATGGTTTACAGCCAAAGACCCCATCAATCTCGTTTTCTCTATTG
 GGAAGAGCCGGATGACACGGGCCAGATGTGGGACCTGACAGTCCCCTCATGGGGCTGTTATTTCTGAT
 ATTGACCACAAGTTAGGGTATCTGATAAAGATGCTGAAAAAGGCAAAGTTGTGGAATAATTAACCTCA
 TCGTCACAAGCGACCACGGGATGACCCAGTGTCTAAGGAAAGGGTGATAGAACTTGATCAATACCTGGA
 CAAAGAGCACTACACCCTGATTGATCACTACCTGTAGCTGCCATCCTGCCAAAAGAAAGGTAATTTAAT
 GAAGTCTATGATGCGCTGGCCAATGCCATCCTAATCTAACGGTCTACAAAAAGGAAGAGATACCCGAAA
 GATGGCATTACAAACACAGTGACCGAGTTCAACCGATCGTAGCGGTGGCTGACGAAGGGTGGTATATTTT
 GCAGAATAAGTCAGATGAATTCCTGTTAGGCAACCATGGTTATGATAATGCCTTAGCAGAAATGCATCCA
 ATATTTTGTAGCCACGGTCTGCCTTCAGAAAGAATTTACAAAAGAAGCCATGAACTCCACAGATCTGT
 ACTCACTGGTCTGCCATCTCTCAATGTCAACCGCCTGCCACACAATGGATCATTAGGAATGTCAGGA
 TCTTCTCAGTTCAGCAGCTCCTAAAAGCAATTCTTACACACAGAGCACCAGCTCCCCCTGGCAGTGCC
 AAGCCAGGAGAGTATGAGCAAGAGGAGTGTACCTTATTACATAGGCATCTCTTGGCAGCCTTATAG
 CTATTGTTTTCTCGTAGTTCTCATTAAGCATTAAATACGCAGTCAAATGCACACCTTACAGTATATGCA
 GGTCAAGTCGCTCAACCGTTACTCCAAGCT**TAG**

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001012744

Insert Size: 1434 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:	<u>NM_001012744.1, NP_001012762.1</u>
RefSeq Size:	1880 bp
RefSeq ORF:	1434 bp
Locus ID:	316249
UniProt ID:	<u>P84039</u>
Cytogenetics:	9q13
Gene Summary:	Can hydrolyze NAD but cannot hydrolyze nucleotide di- and triphosphates (By similarity). May play a role in neuronal cell communication. Lacks nucleotide pyrophosphatase and lysopholipase D activity in vitro (PubMed:12927778).[UniProtKB/Swiss-Prot Function]