

## Product datasheet for **RN204039**

### Enpp2 (NM\_057104) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp2 (NM_057104) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Enpp2
Synonyms:	MGC93258
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204039 representing NM\_057104  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAAGACAAGGCTGTCTCGGTCATCCAGGTAATATCCTTGTTCACTTTTGCCATCAGTGTCAATA  
 TCTGCTTAGGATTCACAGCAAGTCGAATTAAGAGGGCAGAATGGGATGAAGGACCTCCACAGTGCCTGTC  
 TGAATCTCCATGGACCAACACCTCTGGATCCTGCAAAGGTAGATGCTTTGAGCTTCAAGAGGTTGGCCCT  
 CCAGACTGTGGTGTGACAACCTGTGTAAGAGCTACAGCAGTGTGCCACGATTCGATGAGCTGTGT  
 TGAAAACAGCTCGAGGCTGGGAGTGCACCAAAGACAGATGTGGGGAAGTACGAAACGAGGAAAATGCCTG  
 TCACTGCTCAGAAGACTGCTTGTCCAGGGGAGACTGCTGTACCACTACCAAGTGGTCTGCAAAGGAGAA  
 TCACACTGGGTAGATGATGACTGCGAAGAAATCAAAGTCCCGAATGCCCTGCAGGGTTTGTCCGCCCTC  
 CGTTAATCATCTTCTGTGGATGGTTCCGTGCATCATACATGAAGAAAGGCAGCAAGGTTATGCCCAA  
 CATTGAGAAACTCGGGTCTGTGGCACCATGCTCCCTACATGAGGCCTGTGTACCCACAAAAACCTTC  
 CCTAATCTATATACGCTGGCCACTGGTTTATATCCGGAATCCCATGGAATGTGCGTAATCAATGTATG  
 ATCCTGTCTTTGATGCTTCGTTCCATCTACGAGGGCGAGAGAAGTTAATCATAGGTGGTGGGAGGCCA  
 ACCGCTATGGATTACAGCCACCAAGCAAGGGGTGAGAGCTGGAACATTCTTTGGTCTGTGAGCATCCCT  
 CATGAACGGAGGATCCTAACCATTCTTCAGTGGCTTTCTCTGCCAGACAACGAGAGGCCCTCAGTTTATG  
 CCTTCTACTCAGAGCAGCTGATTTTCTGGACACAAGTACGGCCCTTTTGGCCCTGAGATGACAAATCC  
 TCTGAGGGAGATTGACAAGACCGTGGGGCAGTTAATGGATGGACTGAAACAACACTCAGGTCATCGCTGT  
 GTGAACGTTATCTTTGTGGAGACCATGGAATGGAAGATGTGACATGTGACAGAAGTTCGAGCCAAATCTAT  
 CAATAATTCTAAATATGACCCTAAAACCATTTAGTCTAACCTCACGTGCAAAAAACCGGATCAGCACTTT  
 AAGCCTTACATGAAACAGCACCTTCCCAAACGGTTGCACTATGCCAACACAGAAGAATTGAAGACATCC  
 ATTTATTGGTCGATCGAAGATGGCATGTTGCAAGGAAACCTTTGGACGTTTATAAGAAACCATCAGGAAA  
 ATGTTTTTCCAGGGTGACCACGGCTTTGATAACAAGGTCAATAGCATGCAGACTGTTTTCGTAGGTTAT  
 GGCCCAACTTTTAAAGTACAGGACTAAAGTGCCTCCATTTGAAAACATTGAACTTTACAATGTTATGTGCG  
 ATCTCCTAGGCTTGAAGCCCGCTCCCAATAATGGAACCTATGGAAGCTTGAATCACCTACTGCGTACAAA  
 TACCTTTAGGCCAACCATGCCAGACGAAGTCAGCCGACCTAACTACCCAGGGATTATGTACCTTCAGTCC  
 GAGTTTGACCTGGGCTGCACCTGTGACGATAAGGTAGGCCAAAGAACAATTTGAAGAAGTCAATAAAC  
 GTCTTCATACCAAGGATCAACAGAAGAGAGACATCTCCTGTATGGACGGCTGCAGTGTCTATCGGAC  
 TAGCTATGATATCTTATACCATACGGACTTTGAAAGTGGTTATAGTGAATATTCTTAATGCCTCTCTGG  
 ACATCGTATACCATTTCTAAGCAGGCTGAGGTCTCCAGCATCCGAGAACACCTGACCAACTGTGTTGCTC  
 CTGATGTCCGTGTGTCTCCAGGATTCAGTCAGAAGTGTAGCTTATAAAAAATGATAAACAGATGTCATA  
 TGGATTCTTTTTCTCCCTACCTGAGCTCCTCCCAAGAGCTAAGTATGATGCATTCTCGTAACCAAC  
 ATGTTCCAATGTACCCCGCTTCAAACGTGTTGGGCTTATTTCCAAAGGGTTTGGTGAAGAAATATG  
 CTTCAGAAAGGAATGGAGTCAACGTAATAAGTGGACCGATTTTGGACTACAATTACGATGGCCTACGTGA  
 CACTGAAGATGAAATTAACAGTATGTGGAAGGCAGCTATACCTGTCCCACCCACTACTACAGCATC  
 ATCACCAGCTGCCTGGACTTCACTCAGCCTGCAGACAAGTGTGACGGTCCCTCTCTGTGCTTCTTCA  
 TCTTCTCACCCGACCCGACAATGATGAGAGCTGTAATAGCTCCGAGGATGAGTCGAAGTGGGTAGAGGA  
 ACTCATGAAGATGCACACAGCTCGGGTGCAGGACATTGAGCACCTCACTGGTCTGGATTTCTACCGGAAG  
 ACTAGCCGTAGCTATTCGAAATTCGACCCTCAAGACATACCTGCATACATATGAGAGCGAGATT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_057104  
**Insert Size:** 2589 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_057104.2</a> , <a href="#">NP_476445.2</a>
<b>RefSeq Size:</b>	3147 bp
<b>RefSeq ORF:</b>	2589 bp
<b>Locus ID:</b>	84050
<b>UniProt ID:</b>	<a href="#">Q64610</a>
<b>Cytogenetics:</b>	7q32
<b>Gene Summary:</b>	may regulate oligodendrocyte cell-extracellular matrix adhesive interactions during myelination [RGD, Feb 2006]