

Product datasheet for **RN213121**

Enpp1 (NM_053535) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enpp1 (NM_053535) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Enpp1
Synonyms:	Npps; Pc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213121 representing NM_053535
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCGCAGCGCAACAGGCAGGGCAAGGGCCCCGGCATGGGCCAGCGGAAACGGCCGCGAGCTGG
 AGTCTCCAGCCGCGCTTCGCTGCTGGCGCCATGGACCTAGGGGAGGAGCCGCTGGAGAAGGCGGAGCG
 TGC GCGCACCGCCAAAGACCCCAACACCTACAAAGTGCTGTCGCTGGTTTTGTCAGTATGCGTGCTAACA
 ACTATTCTTGGTTGATCTTTGGGTTGAAACCAAGCTGTGCCAAAGAAGTAAAAAGTTGCAAAGGCCGCT
 GCTTTGAAAGGACGTTACAGCAATTGTCGCTGCGATGCTGCCTGTGTACGCTTGGGAACTGCTGTCTGGA
 TTTCCAAGAGACCTGTGTGGAACCAACACATATATGGACTTGCAACAAGTTCAGGTGCGGCGAGAAGAGG
 CTGTCCAGATTTGTGTCTCTGTGCGGACGACTGCAAAGCCACAATGACTGTTGCATCAACTACAGTT
 CAGTGTGCCAAGAAAAGAAGAGTTGGGTAGAAGAAGCCTGCGAAACCATCGATGCACCACAGTGTCCAGC
 AGAGTTTGAATCACCCCTACTCTTTGTTTTCTTTGGATGGATTACAGAGCTGAATATTTGCACACTTGG
 GGTGGACTTCTTCTGTCAATTAGCAAGCTGAAAAACTGTGGAACGTACACTAAAAACATAGAGCCTGTGT
 ACCCTACCAAGACGTTTTCCAATCATTACAGCATCGTACAGGACTTTATCCAGAATCACATGGCATAAT
 TGACAACAAGATGATGATCCTAAAAATGAACGCTTCTTTCTCACTTAAAAGTAAAGAGAAATTAACCCCT
 CTGTGGTACAAAGGACAGCCGATCTGGGTGACCGCTAATCATCAGGAGGTGAGTCTGGCACATACTTCT
 GGCCAGGATCAGACGTGGAAATTTGATGGGATCTGCCAGATATCTACAAAGTGTATAATGGGTGAGTACC
 ATTTGAAGAAAGGATTTAGCTGTTCTCGAGTGGCTACAGCTTCTAGCTATGAAAGACCACACTTTTAC
 ACTCTGTATTTAGAAGAACCAGATTCTTCAGGGCATTACACGGACCAGTAAGCAGTGAGTTCATCAAGG
 CCCTGAGAAAGTTGACCACATAGTTGGCATGCTGATGGATGGCCTGAAGGACCTGGGCTGGATAAATG
 CCTGAACCTCATCTCATTTCAGATCACGGCATGGAAACAAGGCAGTTGTAAAGAAGTACGTGTACCTGAAT
 AAGTACCTGGGGGATGTGAACAATGTCAAGGTTGTGTATGGACCTGCTGCTCGATTGAGACCCACCGAGG
 TTCCGGAGACATACTATTCGTTAACTATGAAGCCCTTGCAAAAAATCTTTCTTCCGGGAAACAAACCA
 GCACCTCCGGCCTTATCTGAAACACTTCTTACCAAGCGCTTACACTTTGCTAAAAATGACAGGATTGAG
 CCACTGACCTTCTATCTGGACCTCAATGGCAACTTGCCTTGAATCCGTCAGAAAGGAAATATTGTGAA
 GTGGATTTGATGGCTCTGACAACCTGTTTTCAACATGCAAGCTCTTTCATTGGCTATGGACCTGCCTT
 CAAGCACGGTGTGAGGTTGACTCCTTTGAAAATATCGAGGTCTATAACTTAATGTGTGATTTATGGGT
 TTGATCCCAGCTCCTAATAATGAAAGTACGGCAGTCTCAACCATCTTAAAGAAACCCATTTATACCC
 CAAGTCATCCCAAAGAAGAGAGCTTCTGTCCAGTGTCCAATCAATCAGTGTCCAGTGACCTCGGCTG
 CACATGTGACCTTCGATTGTGCCGATCATGGACTTCGAGAAGCAGTTCAATCTGACCACCGATGTGTGA
 GAGGATGTTTACTCTATGACTGTGCCAACGGAAGGCCCGGAATCTGCAGAAGCAGCACCGCTGTGTC
 TGCTCCATCAGCAACAGTTTTTACTGGGTACAGCCTGGACCTCCTCATGCCCTGTGGACGCTTACAC
 CTTTCTCAGTAATGACCAGTTCTCCACAGATGACTTTTCCAACGTTTGTACCAGGACCTTCGGATTCCC
 CTTAGTCCCATGCATAAATGTTCTATTATAAAAGCACTTCTAAGCTCAGTTATGGGTTCTTACACCGC
 CAAGACTAAACAGAGTCTCAGTCAAATATATTCTGAAGCCTTGCTTACTTAAACATAGTGCCAATGTA
 CCAGAGTTTTCAAGTTATATGGCAATACCTTCATGACACCGTACTGCGAAGGTATGCCAAGAAAGGAAT
 GCGTCAATGTTGTGAGCGCCCGTGTTCGACTTTGATTATGATGGACGGTATGATTCCTCAGAGATCC
 TGAACAAAACACCAGAGTCAATCCGAGTCAAGAAAATCTGATCCCACTCACTTCTTATTGTGCTTAC
 CAGCTGCAAGCAGCTGTCTGAGAGCCCCTTAAAGTGTACAGCCTTAGAGTCTTACGCTTCTCTTGCCT
 CACAGGCTGATAACATCGAGAGCTGTACACATGGAAAGCAGGAGTCTGCATGGGTTGAAGAGTTGCTGG
 CATTGCACAGAGCTCGGGTACAGACGTTGAGCTCATCACGGTCTCAGCTTCTACCAGGACCGACAGGA
 GTCAGTTTCAGAAGTGTGAGGTTGAAAACACACTTACCAATCTTACGCAAGAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053535

Insert Size:	2721 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_053535.1 , NP_445987.1
RefSeq Size:	2721 bp
RefSeq ORF:	2721 bp
Locus ID:	85496
UniProt ID:	Q924C3
Cytogenetics:	1p12
Gene Summary:	mutation of the human homolog is detected in patients with idiopathic infantile arterial calcification [RGD, Feb 2006]