

Product datasheet for SC114773

ENPP4 (NM_014936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENPP4 (NM_014936) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENPP4
Synonyms:	NPP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114773 sequence for NM_014936 edited (data generated by NextGen Sequencing)

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ATGAAGTTATTAGTAATACTTTTGTCTGGACTTATAACTGGTTTTAGAAGTGACTCT
TCCTCTAGTTTGGCACCTAAGTTACTACTAGTATCCTTTGATGGCTTCAGAGCTGATTAT
CTGAAGAAGTATGAATTCCTCATCTCCAGAATTTATCAAAGAAGGTGTTTTGGTAGAG
CATGTTAAAAATGTTTTATCACAAAAACATTTCAAACCACTACAGTATTGTGACAGGC
TTGTATGAAGAAAGCCATGGCATTGTGGCTAATCCATGTATGATGCAGTCACAAAGAAA
CACTTTTCTGACTCTAATGACAAGGATCCTTTTGGTGAATGAGGCAGTACCTATTTGG
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GAGGAAAGACTAAATAATTACTATGTGGCTAAACAATTCGAACCCACCAGTCACCTTT
GCAACACTATATTGGGAAGAACCAGATGCAAGTGGCCACAAATACGGACCTGAAGATAAA
GAAAACATGAGCAGAGTGTGAAAAAATAGATGATCTTATCGGTGACTTAGTCCAAAGA
CTCAAGATGTTAGGGCTATGGGAAAATCTTAATGTGATCATTACAAGTGATCATGGGATG
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ACTCTTAGATTTGAGCCAGTTGCTGCAATACTTCCAAAAATAAATAGAACAGAGGTT
TATAACAACTGAAAACTGTAGCCCTCATATGAATGTTTATCTCAAAGAAGACATTCCT
AACAGATTTTATTACCAACATAATGATCGAATTCAGCCCATTTTGGTTGCCGATGAA
GGCTGGACAATTGTGCTAAATGAATCATCACAAAAATTAGGTGACCATGGTTATGATAAT
TCTTTGCCTAGTATGCATCCATTTCTAGCTGCCACGGACCTGCATTTTCAAAGGCTAC
AAGCATAGCACAATTAACATTGTGGATATTTATCCAATGATGTGCCACATCCTGGGATTA
AAACCACATCCCAATAATGGGACCTTTGGTCATACTAAGTGCTTGTAGTTGACCAGTGG
TGCATTAATCTCCAGAAGCCATCGCGATTGTTATCGGTTCACTCTTGGTGTAAACCATG
CTAACATGCCTCATAATAATCATGCAGAATAGACTTTCTGTACCTCGTCCATTTTCTCGA
CTTCAGCTACAAGAAGATGATGATGATCCTTTAATTGGGTGA

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Clone variation with respect to NM_014936.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014936 unedited</p> <pre> AGTTAACATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGGCCGCGAGC GCCGAGTTCGCGCATTAGGAAATAAGCGACCGCGCGGCTGGAACCCCTGATTGCTGTCC TTCAACGTGTTTATTATGAAGTTATTAGTAATACTTTTGTCTGGACTTATAACTGGT TTTAGAAGTGACTCTTCTCTAGTTTCCACCTAAGTTACTACTAGTATCCTTTGATGGC TTCAGAGCTGATTATCTGAAGAAGTATGAATTTCTCATCTCCAGAATTTTATCAAAGAA AGTGTGGTAGAGCATGTTAAAAATGTTTTATCACAAAAACATTTCCAAACCACTAC AGTATTGTGACAGGCTTGATGAAGAAAGCCATGGCATTGTGGCTAATCCATGTATGAT GCAGTCACAAAGAAACACTTTTCTGACTCTAATGACAAGGATCCTTTTGGTGGAAATGAG GCAGTACCTATTTGGGTGACCAATCAGCTTCAGGAAAACAGATCAAGTGCTGCTGCTATG TGGCCTGGTACTGATGTACCCATTCACGATACCATCTCTTCTATTTTATGAATTACAAC TCCTCAGTGTCTTTGAGGAAAGACTAAATAATTTACTATGTGGCTAAACAATTCGAAC CCACCAGTCACCTTTGCAACACTATATTGGGAAGAACCAGATGCAAGTGGCCACAATAC GGACCTGAAGATAAAGAANACATGAGCAGAGTGTGAAAAATAGATGATCTTATCGGTG ACTTAGTCCAAGACTCAAGATGTTAGGGCTATGGGGAAAATCTAATGTGATCATTANCAG TGATCATGGGATGACCCAGTGNNTCTCAGNACAGACTGATAACTGGGATTCTGCATCGAT CATTCACTACTACTCTTATAGATTTTGGAGCCCAAGTGTGCATT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014936 unedited</p> <pre> GCCGCGCGCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCATATAATATGTTTT ATTAATAAATACTATTCTTCTGTCCCATCAACATATACTTTTTAAATTTTGGCTTAAT TTACAATTCGAGTTAATATTTTGAAGACGTAAGGAAAGACAAATAGGTAATGCTTGTT GAAAGGGTTAAGATACTGACAGGACATACCTTCTGTTCCATCTATATAAAATCCACTC ATGAGTTGGATGCCAAGTATAGATTTCTGAAACTCATAACCACCAATCAGATAATGCAA TCATTAATAACTCACACCATTGCAAGGACCAAGTATAAAATATTCTGCTACTATTTAGAT ACTTCAAAAACATCCACTACTTTAAATGAAAAGCTTTAAATGTGTCAATGCTATTTGCTT TTAATGGAAATTAAGTAGAATTTTCTATTATTCTGTTTCGATCAACTATTAACCTTT AGGATAATTGTTTTATGTGAAAAAATTAGAAATTTTTTAAAGCAAAATAGTACTATT GGTTTTTATTTTACTGTTCTTAATACAGTTAACTTATGACCAACAGCATGGATTAT TTATACAGGGTTTGAATAATGCCTCTCAACAACCACAAATACCATAGGCAGCAAAATACCAG GCTCAAGAAATAGCAGTGACTCAATAGGACGCACTGTATGTTTGATGACTGGGCCACCAC TGTTGTCTTTACATCACAGGATATCAAATTTAACTGGGCTGCATATTATTACTTTTTAT ATTTGTAACAGTTACCAGGTTTATTATATTGTCAAAACTTAAAGATCATCTATTACTG CCTGCTCACGTCTGATGATGGTCTTGACCCCATTTTTCCCTACTATTTAATCTAGTCGGA CAACCTAGTTCTCATATTATTTGATACAAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014936
Insert Size:	3670 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_014936.3](#), [NP_055751.1](#)

RefSeq Size: 4312 bp

RefSeq ORF: 1362 bp

Locus ID: 22875

UniProt ID: [Q9Y6X5](#)

Cytogenetics: 6p21.1

Domains: Phosphodiester

Protein Families: Transmembrane

Gene Summary: Hydrolyzes extracellular Ap3A into AMP and ADP, and Ap4A into AMP and ATP. Ap3A and Ap4A are diadenosine polyphosphates thought to induce proliferation of vascular smooth muscle cells. Acts as a procoagulant, mediating platelet aggregation at the site of nascent thrombus via release of ADP from Ap3A and activation of ADP receptors.[UniProtKB/Swiss-Prot Function]