

Product datasheet for **RN213445**

Ppat (NM_057198) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppat (NM_057198) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppat
Synonyms:	Atase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213445 representing NM_057198
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGTGGAGGAGTCGGGATCCGTGAGGAATGTGGTGTGTTCCGGTGCATCGCTTCTGGAGACTGGC
CCACGCAGCTAGATGTGCCACATGTGATCACTCTGGGACTCGTGGGGCTTCAGCACCGAGGTCAGGAGAG
CGCTGGTATTGTGACCAGTGATGGGAGTTCAGTGCCTAAATTCAGGGTGCATAAGGGAATGGGCCTTGTA
AATCATGTTTTTACCGAAGACAATTTGAAGAAATGTATGTCTCAAATCTTGAATCGGACATACGCGGT
ACGCCACCACAGGGAAGTGTGAGCTGGAAAATTGCCAGCCGTTTGTGTTGAGACTCTGCATGGGAAAAT
AGCTGTGGCCATAACGGAGAGCTGGTGAACGCAGCTCGGCTGAGGAAGAAGCTTCTGCGGCATGGTATT
GGGCTTCCACATCCTCCGATAGTGAAATGATTACCCAGTTACTCGCATATACCCCTCCTCAGGAACAAG
ATGATACTCCAGACTGGGTAGCAAGAATTAAGAACTTAATGAAGGAAGCGCCCGCAGCCTACTCCCTGGT
CATAATGCACAGGACGTCATTTACGCAGTGCAGATCCATACGGAATCGTCTCTATGCATCGGCCGT
CTTATGCCAGTTTCTGACATAAATGACAAAGAGAAAAAGTCTTCAGAGACTGAAGGATGGGTGGTGTCTCT
CAGAGTCTTGACGCTTTTATCTATTGGTGCAGATATTGCCATGAAGTGAAGCCTGGGGAAATTGTAGA
AATATCCAGACATGGTGTGAGAATCTTGTATATAATTCCAAGGTCTAATGGAGACCCAGTGGCTTTTTGT
ATCTTCGAATATGTTTATTTTGAAGACCAGATAGTATGTTTGAAGACCAGATGGTTTATACGGTAAGGT
ACCGGTGTGGCCAGCAGCTGGCAGTTGAAGCACCAGTGGAGGCGGACCTGGTCCAGCACAGTTCAGAAATC
TGCCACGCCTGCGGCCCTGGGGTATGCGACAAAGTGTGGGCTGCCATATGTGGAGGTGCTGTGAAGAAC
CGGTATGTAGGAAGAACCTTCATTCAGCCAAACATGAGGCTAAGACAATTGGGGTTGCAAAGAAATTCG
CGGTGTTGTCTGACAACTTTAAAGGCAAAGAATTGTTCTCATAGATGATTCCATTGTGAGAGGCAATAC
TATCTCACCCATCATAAACTCCTCAAAGAATCCGGTGCAAAGGAGGTACACATTCGAGTCGCTTCGCCA
CCAATAAAACATCCGTGCTTCATGGGAATAAACATTCTACAAAAGAAAGCTTATAGCCAATAAGCCCG
AATTTGAGTATCTTGAGAGTACCTTGGAGCAAACAGCGTTGTGTATCTGTGAGTGAAGGACTAGTTTC
GTCTGTGCAACAAGAAATAAAGTTCAAGAAGCAGAAAGTTAAAAAGCGTGATATCACAATTCAGAAAAAT
GGAAATGGTCTGGAGTATTTGAGAAGACGGGACACTGTACGGCTTGCTCACTGGCCAGTACCCTGTGG
ATCTGGAATGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_057198

Insert Size: 1554 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_057198.2](#), [NP_476546.1](#)

RefSeq Size: 4065 bp

RefSeq ORF: 1554 bp

Locus ID: 117544

UniProt ID: [P35433](#)

Cytogenetics: 14p11

Gene Summary: catalyzes the irreversible reaction between 5- phosphoribosyl-1-pyrophosphate, glutamine, and water to form 5P-phosphoribosyl-1-amine, glutamate, and inorganic pyrophosphate [RGD, Feb 2006]