

Product datasheet for **RN202957**

Npat (NM_001108147) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npat (NM_001108147) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Npat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202957 representing NM_001108147 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGTTACCCTCGGATGTAGCCAGGCTGGTATTGGGTTACTTACAACAAGAAACCTCACATCTACT
GCCAGACTTTTATTTGGAAAGTTCAAATTTAAAAGAATATGCAGAACTGTACTGATGAAGGTTTTAT
TCCAGCCTGCTTACTGTCCTTATTTGGAAAAAAGTTGACAACAATTTAAATGAGTATGTAGCTATGAAA
GCAAAAGAAACATCAAATGATGTCCCAACAATAATGTCATCTCTGTGGAAGAAGCTGGACCACACGCTCT
CTCAGATCAGGAGCATGCAGAGTTCTCCAGGGTTTGTGCCCATCAGAGAGCTCGAACAAGAAATGGAAT
TGCAGAAATCAAGCGGCAGCGATGGCTGGCATCTCAAGCAGCTCCGTTAGCTCAGAGTTGCTGGTTTTA
CCTTACGCTTCAGGACAGTTCACCACTTCTCCTTTGGCAGCCACACAACTATCAAACCACTGGACAGA
TTTCAACTCCAGTGAGGTCAAATATTGGTGGTCAACCATTACAGACACAAAATACTGTAATAATAC
AGCTGGAGAATCTTTGAATATCATTCTGGTCTCAGGAAAGGAAACTCAAACAGTTTAATGTCTCCT
GGTAGACGTAAAAGTGAATCACAAAAGAAGAGTCTCCGTCATCTGGAGCACATTCATCAAGGAATCTTC
AGGATCCAAATGCATTTGCAGTAGAAAAACAATGGTCATTGAAAATGCAAGAGAGAAAAATTAAGCAA
CAAATCTCTTCAAGAAAACTAGCAGAAAACATAAATAAGTTTTTGAAGTATGATAGTAATATTGCTCAA
GTACCTAAACAGACAGAAAGCAGCTGACAGAGCCAGAAACGTCATTTGATGAACCTCTAGGACTCCGA
GTGAAATCCACATGTCTGAAGAAGCAATACAAGATATACTGGAGCAGACAGAATCAGACCCAGCCTTCA
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CAATCAGTGGAGACTAATCCTAATATAGTCATACCTGAAGAACTAATCTAACAATTAAGTTCTTTTG
AAACAGAAGAATCAGATGGGCAATCTGGTCAGCCTCCATTTTGTACATCTATCAAAACGAAGATGTAGT
GTTAAATGATCTGAAGAGTGGCAACAACCATGACGTTCTTCCACAGGAGTCCCAGGGAAGTTCTCCCAA
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ATACACAGTCAGATGCCCACTGACGCTGGAGCGGCTGTGGGTGAAGAGAGTTCTGTCTCCAGATTCA
CTGAACCACTCAGTATCAGCCTGATCAGCCCGCGTGCAGTCACTTATTTGTATCTCTTGGTGGTG
AGACCAATGACAAAACTTAATTCTCTCGGGGAAAAATCCCAGCTTTTGTCCCAAGTACTCCACTAAC



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TGGAAGCCATCTAAAAGTCAATTTGTGAAAATCTAATAATATAATAAAAGTAAAACTAATTCTCAT
GCTTCTGAGTCACCAGATTCTAGTGACACTCACAGCAGTAAAGATGAACTAACAGTAAATCACCAGTTG
CTGCCCAGACACAACCAGATTGCCAAGATAATTCTCCACTGCAAAGCAGAACATCTCCTGTGATTATTGA
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TGGTGGGATGATACCTGTGTCTGTAGTTGGACAGAATGGAAATACATTCTCCACTCCTCCTCAGCAGGT
CCTTCATATGCCTTTAGCAGCACCTGTTTGAATAGAAGTATCACTCAATCCCCATTCTCAAAAATCC
CAGAAGGCTCAGGGACTCAGAAACAAGCCTATTACAGGAAACAGGTAATAATTTGACAAGCTTGTTCCA
GTCTTTCAGAAGCATGTCATACAAAAGAACTGAAGCTTCTGATAAGAATACAGCCACTGAACCTGGGAA
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CATAGCCGGGTGCTTTGTTTGTAGTACTGTTCTTCTGTTGCAAAATACACAGGGGCCACTATATAAG
TGACCTCCAAAACAAGAAAAGAAACATCTTTTCTCGCCTTGACTCACCATTCTGTCTCTAC
CTTAAATCACCTACTAATAATGCCATCAAGAGAGAGAGGAAAAAACTGTGCCAAGATTTTATCTAAA
TCAGAACTGCCTCCAGTCGACACACCACTGTGAAAGAAGTCCAGTCTGAAAAGAAAGTTTCCCCATAG
AAACGACCCTTGAATCTTCCATAAAGCAACAGCAAAACAGGAGAATGAAGTGTGCAGTGATGGGAAAG
GCCGAAGAATCCAGACACCTCAAACTGCCTGGCGGCAGCAGAATGGGAGCTTGAAGAATGAAAAAGCC
ATGGCCTCACTGCAGGAATTGACCAGAAAACAAGCCACACCTCAAACAATAAAATGCCACTACTGTAA
GTGGGACTGTGAAGGATCAAAAACAAGAGCAGAGTAAACCTGCCGGCTCGTTAACTGGGCTAGAACTCT
GCAGGATGTTCCACTACACAACCCAGCAATAGGACTGCTGATAGTGACTTGCCGGGACCCGGAGCACT
GGCGCAGGAGCAGGAGAAAAGCATAAAGAAGAGCCTACTGACAGTATGAAGGCCCTGCTAGTAGACGCT
GTGGTGAGGAAGGCAGCGTGCCAGAGCAATGATCCCAGCTGTCACTGCTGACTTGCTGCTGCAGCCC
AGCCAGTGAAACGGGCAGCGAAAACAGCGTGAGCATGGCTGCCACACGCTCATGATTCTCTAGAGCA
GCAATTGCTAGGACTACAGCAACTCCTCTAAAAGATAACACGCAGCAATTTAGAATCTTCAAGGAGCA
CTACGAAGAAACGAAAAATTGAGGAATTAGATGAGTGTGAGAGGAACTCCCGCACTTCTAGTAAAAATCT
TGCAAAATTCATCAGTACCAATGAAAAAGAAGAAATCAAGAAAAAGAAGTACCTAGTTTCATTCCAGCA
GGAATGGATGTGACAAGTCTTGCTATCACTGCATTATGATGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001108147

Insert Size:

4248 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_001108147.1, NP_001101617.1</u>
RefSeq Size:	6138 bp
RefSeq ORF:	4248 bp
Locus ID:	315666
Cytogenetics:	8q24