

Product datasheet for **RN213671**

Gfpt2 (NM_001002819) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfpt2 (NM_001002819) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gfpt2
Synonyms:	MGC112555
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213671 representing NM_001002819
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCGGAATCTTTGCCTATATGAATTACAGAGTCCCAAGACGAGGAAGGAGATTTTTGAAACCCTCA
 TCAGGGGCTGCAGCGGCTGGAGTACCGGGTTATGACTCGGCAGGTGTGGCCATTGACGGGAATAACCA
 TGAAGTCAAAGAAAGACACATCCATCTTGTGAAGAAGAAGGAAAAAGTGAAGGCTCTGGATGAAGAATT
 TACAAGCAAGATAGCATGGACTTGAAGGTAGAGTTTGAACACACTTCGGCATAGCCACACACGTTGGG
 CCACCCATGGGGTCCCAATGTGGTCAACAGTACCCACAGCGTTCAGACAAAGACAATGAATTTGTCGT
 CATCCACAACGGAATCATCACTAATTACAAGGATCTAAGGAAATTTCTGGAAAGCAAGGGCTACGAGTTT
 GAGTCAGAAACAGACACGGAGACCATCGCCAAGCTGATTAATACGTATTCGACAACAGAGAGACTGAGG
 ACATTACGTTTTCCACATTGGTCAAAGAGTCATTGAGCAGTTGGAAGGGCCTTTGCCCTGGTCTTCAA
 GAGCATCCACTACCCGGGAGAAGCTGTTGCCACAAGGAGAGGCAGCCCCCTGCTCATCGGGTACGAAGC
 AAATACAAACTCTCCACAGAGCAGATCCCGTCTTATATCGGACATGCACTATTGAGAATGTGAAGAATA
 TCTGTAAGACCAGGCTGAAGAGACTGGACAGCTCCACCTGCCTGCATGCAGTGGGGGATAAAGCCGTGGA
 GTTCTTCTTGGTCTGTGCAAGTGCCATCATAGAACACACCAACCGGGTCACTTCTTGAAGATGAT
 GATATTGCTGCAGTGGCTGATGGGAACTCTCCATTCACCGAGTCAAACGCTCAGCTAGTGATGACCCCT
 CCCGAGCCATCCAGACCTTGAGATGGAACACAGCAAATAATGAAAGGTAACCTCAGTGCAATTTATGCA
 GAAGGAGATCTTCGAGCAGCCAGAATCTGTTTTAATACCATGAGAGGTGGGTAATTTTGAAGCAAC
 ACAGTGCCTCTGGGTGGCTTGAAGGACCATTTGAAGGAGATTGTCGATGCCGAAGGCTCATTGTGATAG
 GCTGTGGAACAGCTACCATGCCGCTGTGGTACACGGCAAGTGTAGAGGAAGTACCGAGCTCCCTGT
 GATGGTTGAACTTGCCAGTGACTTTCTGGACAGGAACACACCTGTGTTTCAGGGATGATGTTTCTTTTC
 ATAAGCCAGTCAGGAGAGACTGCAGACAGCTCCTGGCGTGCAGATACTGTAAGGATCGCGGTGCGCTGA
 CCGTGGGCATCACCAACACCGTGGGCGAGCTCCATCTCCGAGAGACCGACTGTGGCGTCCACATCAACGC
 AGGGCCCAGATTGGGGTGGCTAGCACCAAGGCCACACCGAGCCAGTTCATCTCTGGTGTGTTGGT
 TTGATGATGTCTGAAGATCGAATTTCTCTACAGACCAGGAGACAAGAGATCATCCGTGGCCTCAGATCTT
 TACCTGAGCTGATCAAAGAAGTATTATCCCTGGATGAGAAGATCCAGACTTGGCCCTGGAGCTCTACAC
 ACAGAGGTCACCTAGTGATGGGACGAGGATATAACTATGCCACATGCCTGGAAGGTGCCTTGAATTT
 AAAGAGATAACCTACATGCATTCAGAAGGTATCCTGGCCGAGAGCTGAAGCACGGGCCCTTGCTCTCG
 TCGACAAGCAGATGCCAGTCATCATGGTATCATGAAGGATCCTTGCTTTGCCAAGTGCCAGAATGCCCT
 GCAGCAGGTCACCTGCCGCCAGGTCGCCCAATCATTCTGTGCTCCAAGGATGACACGGAGATTCCAAG
 TTTGCATATAAAACCATGAACTTCCCCACACGGTGGACTGTCTCCAGGGTATCCTGAGCGTGATCCAC
 TCCAGTCTGTCTTCCACCTGGCTGTCTCCGAGGTTATGATGTTGACTTCCCGAGAAACCTAGCCAA
 GTCTGTCACTGTGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001002819

Insert Size: 2049 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:	<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:	<u>NM_001002819.2</u> , <u>NP_001002819.2</u>
RefSeq Size:	3024 bp
RefSeq ORF:	2049 bp
Locus ID:	360518
UniProt ID:	<u>Q4KMC4</u>
Cytogenetics:	10q21
Gene Summary:	may have aminotransferase activity [RGD, Feb 2006]