

## Product datasheet for **RN204820**

### **Gpat4 (NM\_001047849) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpat4 (NM_001047849) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpat4
Synonyms:	Agpat6; RGD1310520
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204820 representing NM\_001047849  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCTGTTGCTGCCTTTTATAGCTTGATTGTCAACCTCTGGGCATCTCCCTGACCGTCTCTTCA  
 CCCTCCTACTTGTTCATCATTGTCCCTGCCGCTTTGGAGTGCCTTTGGTATCCGAAAGCTGTACAT  
 GAAAACACTGTTAAAGATCTTCGCGTGGGCTACCTTGAGAATGGAGAGAGGCCAAGGAGAAGAACCAC  
 CAGCTTTACAAGCCCTACACCAACGGAATCATTGCAAAAGATCCCACTTCTCTGGAAGAAGAAATCAAAG  
 AAATTCGTCGAAGTGGTAGTAACAAGGCTCTGGATAAGACACCAGAGTTTGGAGTCTCTGACATCTTCTA  
 CTTTTGCCGAAAGGAATGGAGACTATTATGGATGACGAAGTACAAAGAGATTCTCGGCAGAGGAGTTG  
 GAGTCTGGAATTTGCTGAGCAGAACCAATTACAACCTCCAGTATATAAGCCTGCCGCTGACCATCTCT  
 GGGGTTAGGAGTGTGATCCGGTACTGTTTCTTCTGCCACTCAGGATTGCTCTGGCATTACAGGGAT  
 TAGCCTCTTGGTAGCGGGCACTACCGTGGTTGGATACCTGCCAAGTGGGAGATTTAAGGAGTTTTAAGT  
 AACATGTTCACTTAATGTGCTACCGTATCTGCGTGCAGCCCTCACGGCCATCATTACATACCACAACA  
 GGAAAAACAGACCAAGAAATGGTGGCATCTGTGTTGCTAACCATACGTCGCCCATTTGATGTGATCATCTT  
 GGCCAGCGACGGCTACTACGCCATGGTGGGACAGGTGCACGGGGCCCTTATGGGTGTGATTAGAGAGCA  
 ATGGTGAAAGCCTGCCCCATGTCTGGTTTGGAGCTTCTGAAGTAAAAGATCGCCACCTGGTGGCTAAGA  
 GATTGACTGAGCATGTACAAGATAAAAGCAAGTTGCCATCCTCATCTTCCAGAAAGAACCTGCATCAA  
 TAACACATCCGTGATGATGTTCAAAAAGGAAGCTTTGAGATTGGAGCCACTGTTTATCTGTTGCTATC  
 AAGTATGACCCTCAGTTTGGTGATGCCTTCTGGAATAGCAGCAAGTATGGCATGGTGACGTAATTGCTCA  
 GAATGATGACCAGTTGGGCCATTGTCTGCAGTGGTGGTACCTGCCTCCTATGACCAGAGAGAAAGAGGA  
 AGATGCTGTGCAGTTTGTCTAACAGAGTGAAGTCCGCCATTGCCCGCAAGGAGGACTGGTGGACCTGCTG  
 TGGGACGGTGGATTGAAGAGGGAGAAGGTGAAGGACACGTTCAAGGAGGAGCAGCAGAAGCTGTATAGCA  
 AGATGATTGTGGTAACCATGAGGACCGGAGCCGGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001047849
- Insert Size:** 1371 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\_001047849.1, NP\_001041314.1  
RefSeq Size: 3159 bp  
RefSeq ORF: 1371 bp  
Locus ID: 290843  
Cytogenetics: 16q12.5