

## Product datasheet for **RN202142**

### **Gpaa1 (NM\_001004240) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpaa1 (NM_001004240) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpaa1
Synonyms:	MGC93877
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202142 representing NM\_001004240  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGTCTCTGTGCGACCCGGTGCGCCGGCGCGCTCGCCCGCATCGTCTTGCCTCAACACTCCTC  
 TATGTGTGCTGAGCTACGTAGCTGGCATCGCCTGGTTTTGGCGCTGGCTTTCCGCCGCTAACCCAGCG  
 CACTTATATGTCTGAGAATGCCATGGGCTCCACCATGGTGGAGGAGCAGTTTGTAGTGGAGACCGTGCC  
 CGCAACTTCGCCCGGGACTTTGCTGCCACCGCAAGAAGCCAGGGGCTCTGCCAGTAGCCTGGTGAAAA  
 GGGCGATGCGATCCGTAGGACTGGAGGTCTACACTCAGAGCTTCTCCCGAAACTACCTTCCCGGATGA  
 GACCCATGAGCGCTATATGGTCTCGGTACCAATGTGTATGGCATCTGCGGGCCCCACGTGCTGCCAGT  
 ACCGAGTCCCTGGTACTCACTGTACCCTGTGGTCCAGACACCACCAATAGCCAGGCTGTGGGGTTGTTGT  
 TGGCACTCGTGCCTTTCCGAGGGCAGATTTACTGGGCCAAAGATATAATTTCTGGTAACAGAACA  
 TGATCTTCTGGGCACTGAGGCTTGGCTTGGCCCTACCATGACATTAATGTTACAGGCATACAGTCACT  
 CCCTGCAGGGCAGGGCTGGTGCCATCCAGGCCGCTGTGGCCCTGGAGCTGAGCAGTGATGTAGTACCA  
 GCCTCGACGTGACCGTGGAGGGACTCAACGGTCACTGCCCCAACCTTGATCTGCTCAACCTTCCAGAC  
 CTTCTGCCAGAAAGGGGGCTGTTGTGCACACTCCAGGGCAAGCTGCAGCCCCAGGACTGGACATCACTG  
 GAAGGGCTCTGCAGGGCTGCAGACACTGCTTCTCATGGTGTGCGGCAGGCCCTTGGCCGGCCCCATG  
 GCCCCATGGCCTCTTCTGCGCTACGGAGTGGAGGCCCTAACCTACGTGGCATCAACAGCTTCCGCCA  
 ATACAAGTATGATTTGGTGGCAGTGGCAAGGCTCTGGAGGGCATGTTCCGAAAGCTCAACCACCTCCTG  
 GAGCGCTTGACACAGTCTTCTTCTACCTACTGCCCGCCTCTCCCGCTTCTGTCCATTGGACTCT  
 ACATGCCCGCCACAGGCTTCTGCTCCTGGTCTTGGACTCAAGGCTCTGAGCTATGGATGCAGTTACA  
 CGAGGCTGGAGTGAACCTGAGGAGGCTGGGAAGGCCCTGGCCCCGGCTCTCCACCTTGGCAACACAG  
 AGCGTGAGCCTGGCCTCACTTATGGCGCCCTTGTGATCTCTCAGGCCATGGGTTTGGCCCTCTATTCC  
 TACCTGTGCTGGGCCAACATGTAGCTGCCAGCATTTCCAGTGGCTGAAGCTGAGGCTGTGCTGTTGAC  
 ACTGCTAGCGATTTATGTAGCCGGCTAGCCCTGCCACACAACACCCACCGAGTGGTCACTCACAGGTC  
 CCAGACCGGGCTGGATGGCGCTGAACTGGTGGCCCTGATCTACTTGGCACTGCAGTGGGTTGCATTG  
 CTCTCCTCAATTTCTCCCTGGGCTTCTGCTGGCTGCCACCATGGTACCTGCTGCTGCACCTACGAAGCC  
 CCACGGACCCCGACTCTATGCTGCCCTGCTGGTAGTGACCAGCCAGCAGTCACTCTTCGGTAGC  
 CTATTCCTGTGGCGGGAGCTCCAGGAGTACCCTGTCTTGGCAGAGGTTGGCAGCTCTTCTGACTG  
 CCTTGGCCAGGGTGTGCTGGAACACTACACCTATGGTGCCTCCTCTTCCAATACTGGCCTTGGGTCT  
 GTATCCTTGTGCTGCTCTTCTGGAATGTTCTTCTTGGAA**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001004240
- Insert Size:** 1866 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\\_001004240.1](#), [NP\\_001004240.1](#)

**RefSeq Size:** 2043 bp

**RefSeq ORF:** 1866 bp

**Locus ID:** 300046

**Cytogenetics:** 7q34