

Product datasheet for **RN202833**

Gpt (NM_031039) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpt (NM_031039) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpt
Synonyms:	ALAT; Gpt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202833 representing NM_031039
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCACGGGTGAATGATCAAAGCCAGGCTTCAAGGAATGGGCTGAAGGAAAGGTGCTAACTCTGG
ACACTATGAACCCATGTGTGCGGAGGGTGGAGTATGCAGTTCGAGGACCCATTGTGCAGCGTGCCTTGGA
GCTGGAGCAGGAGCTGCGTCAGGGTGTGAAGAAGCCGTTTACTGAGGTCATCCGTGCCAACATTGGGGAT
GCACAAGCCATGGGGCAGAGACCCATCACCTTCTTCCGCCAGGTCTGGCCCTCTGTGTCTACCCCAATC
TTCTGAGCAGTCTGACTCCCAGAGGATGCCAAGAGAAGGGCAGAACGCATCTTGCAGGCTGCGGGGG
CCACAGCTGGGTGCCTATAGCATTAGCTCTGGAATCCAGCCGATCCGGGAGGATGTGGCGCAATACATT
GAGAGAAGAGACGGAGGCATCCCCGAGACCCGAACAACATATTTCTATCCACAGGGGCCAGCGATGCCA
TCGTGACAATGCTCAAGCTGCTGGTATCTGGCGAGGGCCGTGCACGAACAGGTGACTCATTCCCATTCC
TCAGTACCCACTGTACTCAGCCGCGCTGGCTGAACTGGACGCCGTGCAAGTGGACTACTACCTGGACGAA
GAGCGCGCTGGGCTCTGGACATCGCAGAGCTGCGGCCGCTCTGTGCCAGGCAGTGACCGTTGCTGCC
CTCGAGTACTGTGCGTCATCAACCCCGCAACCCCACTGGGCAGGTGCAGACCCGTGAGTGCATCGAGGC
CGTAATCCGCTTTGCTTTCAAAGAAGGACTCTTCTTGATGGCTGATGAGGTATACCAGGACAACGTGAT
GCCGAGGGCTCTCAGTTCATTCAAGAAGGTGCTCATGGAGATGGGGCCACCGTATCCACGCAGC
AGGAGCTTGCTTTTCCACTCAGTCTCTAAGGGCTACATGGGCGAGTGGGGTTTCGTGGTGGCTATGT
GGAGGTGGTAAACATGGATGCTGAGGTGCAGAAACAGATGGGGAAGCTGATGAGTGTGGGCTGTGCCA
CCAGTCCAGGCCAGGCCCTTGATGGACATGGTGGTCACTCCGCCAACCCCTCCGAGCCGCTCTCAAGC
AGTTTCAAGCAGAGAGACAGGAGGTGCTGGCTGAACTGGCAGCCAAGGCTAAGCTCACGGAGCAGGTCTT
CAATGAGGCTCCCGGGATCCGCTGCAACCCAGTGCAGGGCCCATGTATTCCTCCCTCAAGTGCAGCTG
CCCTTGAAGCGGTGCAGCGTCTCAGGAACTGGGCTGGCCCTGACATGTTCTTCTGCCTGTGCCTCC
TGGAAGAGACTGGCATCTGCGTTGTGCCGGGAGTGGCTTTGGGCAGCAGGAGGGCACCTATCATTTCCG
GATGACCATTCTGCCCCCATGGAGAACTGCGGCTGCTGCTGGAAAACTCAGTCACTTCCATGCCAAG
TTCACCCATGAGTACTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031039

Insert Size: 1491 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_031039.1](#), [NP_112301.1](#)

RefSeq Size: 1744 bp

RefSeq ORF: 1491 bp

Locus ID: 81670

UniProt ID: [P25409](#)

Cytogenetics: 7q34

Gene Summary: human homolog is a cytosolic alanine aminotransferase [RGD, Feb 2006]