

Product datasheet for **MC217501**

Gpt2 (NM_173866) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpt2 (NM_173866) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpt2
Synonyms:	4631422C05Rik; ALT2; AU014768; AU041193; C87201
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217501 representing NM_173866
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACGGGGCAGCGGTGCTGGTGCGGGCGGGCTCCTGCCCCCGCGCCTCGGGCCCTGGGGCCGTAGTC
ACAGCAGCGCTGCAGCCGAAGCCTCGGGCGCGCTCAAGGTGCGACCGGAGCGCAGCCCTCGAGACCGCAT
CCTCACCCCTGGAGTCCATGAACCCGAGGTGAAGGCGGTGGAGTACGCTGTGCGGGGACCCATCGTGCTC
AAAGCCGGCGAGATCGAGATGGAGCTGCAGCGGGTATCAAAAAACCATTCACTGAGGTAATCCGAGCCA
ACATTGGGGATGCCATGCTATGGGCCAGCAGCCAATCACCTTCTCCGTGAGGTGATGGCACTCTGCAC
CTACCCAAACCTACTAACAGCCCCAGCTTCCCAGAAGACGCTAAGAAACGAGCGCGGGGATCCTGCAG
GCTTGTGGTGAAACAGCTTGGGATCTTACAGTGTAGCCAAGGCGTAACTGTATCCGTGAAGATGTGG
CAGCCTTTATCACCAGGAGAGATGGTGTGCTGCAGACCCAGACAACATTTACCTGACTACTGGAGCTAG
CGACGGTATTTCTACAATCCTGAAGCTCCTGGTCTCCGGTGGTGGCAAGTCACGGACCGGGTATGATT
CCCATCCCCAGTATCCCTTGTACTCCGCGGTCACTCTGAGCTCGACCGGTGCAGGTCAACTACTATC
TGGATGAAGAACTGCTGGGCTTTGAATGTGGACGAGCTCCGGCGGGCATTGCGGCAAGCCAAAGACCA
CTGTGACCCTAAAGTTCTCTGCATTATCAACCCCGAAACCCACAGGCCAGGTACAAAGCAGAAAGTGC
ATAGAAGATGTGATTCACCTTGCCTGGGAAGAGAAGCTTTTTCTCCTGGCTGATGAGGTGTACCAGGACA
ACGTGACTCTCCAGACTGCAGATTCCACTCGTTAAGAAAGTGCCTTACCAGATGGGGCACGAGTACTC
CAGCAACGTGGAGCTCGCTCCTTCCACTCCACCTCCAAGGGTACATGGGCGAGTGTGGCTACAGAGGG
GGCTACATGGAGGTGATCAATTTGCACCCCGAGATCAAAGGCCAGCTGGTGAAGCTACTCTCGGTTCCGC
TCTGTCCGCCAGTGTGAGCAGGGCCCGCATGGACATTGTTGTGAATCCACCGGAACAGGAGAGGAGT
CTTTGAGCAATTCAGCAGGGAAAAAGAATTCGTCTTGGTAACTTGCCAAAAAAGCAAAGCTGACAGAA
GATCTGTTTAAACCAAGTCCAGGGATCCAGTGCACCCCTTGCAAGGAGCTATGTATGCGTTCCTCGGA
TTCTCATCCCTGCCAAGGCCGTGGAGGCAGCTCAGTCCCATAAAATGGCTCCAGACATGTTCTACTGCAT
GAAGCTCCTGGAGGAGACTGGCATCTGTGTCGTGCCTGGCAGTGGCTTTGGGCAGCGAGAAGGCCTTAC
CACTTCAGAAATGACCATTCTCCCTCCGGTGGATAAACTGAAGACCGTGTCCACAAGGTGAAAGACTTTC
ACCTGAAGTTCCTGGAGCAGTACTCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_173866

Insert Size: 1569 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_173866.3](#), [NP_776291.1](#)

RefSeq Size: 3596 bp

RefSeq ORF: 1569 bp

Locus ID: 108682

UniProt ID: [Q8BGT5](#)

Cytogenetics: 8 C3

Gene Summary: Catalyzes the reversible transamination between alanine and 2-oxoglutarate to form pyruvate and glutamate.[UniProtKB/Swiss-Prot Function]