

Product datasheet for **RN207237**

Ggt1 (NM_053840) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggt1 (NM_053840) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ggt1
Synonyms:	GGLUT; Ggt; Ggtp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207237 representing NM_053840
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGAATCGGTTTCTGGTCTGGCCTGGTGGCGGTGGTTCTGGTGTTCGTCATCATCGGCCTCTGCA
 TCTGGCTACCCACCACCTCTGGGAAGCCTGACCATGTGTACTCCAGGGCGGCCGTGGCCACAGATGCCAA
 CGGTTGCTCAGAGATTGGCGGGATATGCTACAGGAAGCGGCTCCGTAGTGACGCGGCCATCGCAAGC
 CTGCTGTGTATGGGGCTCATTAATGCCACAGTATGGGCATCGGGGGCGGCCTCTTCTTACCATCTACA
 ACAGCACCACACGAAAAGCTGAAGTTATCAATGCCCGTGAATGGCTCCCAGGTTGGCCAATACCAGCAT
 GTTCAATAATTCTAAGGACTCTGAAGAAGGAGGCCTTTCAGTGGCAGTTCCTGGTAAATCCGTGGCTAT
 GAGCTGGCACACCAACGGCATGGCCGGCTACCTGGGCTCGCCTTCCAACCCAGCATCCAACCTGGCTC
 GCCATGGCTTCCCTGTGGCAAGGGCTTGGCAAGAGCCCTGGACAAAAACGGGACATCATTGAGAAGAC
 ACCTGCTTTGTGCGAGGTGTTCTGCCGGCAAGGAAGGTCTTCAGGAAGGAGAGACAGTAACTATGCCG
 AAGTTGGCCGATACGTTGCAAATACTGGCCAGGAAGGGGCCAGGGCCTTCTACAATGGGAGCCTCACAG
 CCCAGATTGTGAAAGACATCCAGGAGGCTGGGGCATTATGACGGTTGAGGACCTTAAACAACTATCGTGC
 GGAAGTATCGAGCATCCGATGAGCATCGGCCTCGGGACTCCACCCTGTACGTGCCAGCGCCCACTC
 AGCGGGCCCGTGCTGATTCTCATCTTGAACATCCTCAAAGGATACAACCTCTCTCAAAGAGCGTGGCAA
 CCCAGAACAGAAAGGCGCTGACGTATCACCGTATCGTGGAGGCCCTTTCGGTTTGCCTATGCCAAGAGGAC
 CATGCTCGGTGACCCAAAGTTTGTGATGTGTCTCAGGTCATCCGAACATGAGTTCTGAGTTCTACGCT
 ACTCAGCTTCGAGCCCGCATCACTGATGAAACCACTACCCAACCGCCTACTATGAGCCTGAATTTCTACC
 TTCCAGACGATGGGGTACCGCTCACCTGTCCGTGGTTTCCGAGGATGGCAGTGTGTGGCCGCCACCAG
 TACCATCAACCTCTACTTTGGCTCCAAGTCTCTCTCGGGTCAGTGGCATCCTGTTAATGACGAGATG
 GATGACTTCAGCTCGCCAACTTACCAACCAAGTTTGGGGTAGCGCCCTCACCAGCCAACCTCATCAAGC
 CAGGTAAGCAACCGCTTTCATCCATGTGCCCTCAATCATCGTGGATAAGGACGGCAAGGTTGCGATGGT
 GGTTGGAGCCTCGGGAGGTACCCAGATCACACGTCTGTTGCACTGGCCATCATCAACAGCCTGTGGTTC
 GGGTATGATGTGAAGAGAGCTGTGGAGGAGCCCGTCTTCAACACAGCTTTTGGCCAATACCACAACAG
 TAGAGAAAAATTTGATCAGGTGGTACTGCAGGTCTGAAGACTCGCACCACCATACAGAGGTACACCC
 CGACTTCATCGCTGTGGTTCAGGCCGTCGTTCAACGTCAGGTGGTTGGGCAGCTGCCTCAGATTCCAGA
 AAAGCGGGGAGCCCGCTGGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053840

Insert Size: 1707 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_053840.2](#), [NP_446292.2](#)

RefSeq Size: 2068 bp

RefSeq ORF: 1707 bp

Locus ID: 116568

UniProt ID: [P07314](#)

Cytogenetics: 20p12

Gene Summary: required in the glutathione metabolism [RGD, Feb 2006]