

Product datasheet for **RN210284**

Ggt5 (NM_019235) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggt5 (NM_019235) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ggt5
Synonyms:	Ggta1; Ggtla1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210284 representing NM_019235
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATGGGGCCATAGGACCACAGTCTGCCTGGTCTGCTGGGTGTGAGTCTGGGTCTGGCCATCATTG
 TGCTGGCTGTGGTCCTTCTCATACCAAGCCTTTGCCGTCCCGATGCCTTCACTCGTGTGCCGTAGC
 TGCTGATTCTAAGATCTGCTCAGATATTGGACGAGTCATCCTCCAGCAGCAGGGCTCACCTGTGGACGCC
 GCCATTGCTGCCCTCATCTGTACC GGTTGTTAACCTCAGAGCATGGGCCTGGGCGGAGGGTCTGCT
 TCACCATCTACAATGCATCTACAGGAAGGTGGAGGTCAATGCTCGGAGACAGTGCACGCCAGCCA
 TGACCAGAGACTGCTAGACCAGTGTACAAATGCCCTGCCACTGTGCACAGGGGCCAGTGGATCGGGTT
 CCTGGTGAGTCCGCGGCTATGCTGAGGCGCACCGCCGATACGGCCGCTGCCTTGGGCTCAGCTTTTCC
 AGCCACCATTGCCCTGCTCCGAGAGGGTTCCGTGTGCCCTATCCTCAGTCAGTTCTCAACACCAG
 CTTCTGCAGCCCTGCTGAATTCATCAACCTGAGACAGCTCTTCTCAATGGGACAGAAACCTTGAGA
 TCTCAGGACCCACTCCCATGGCCTGCGCTGGCCAAACCTTGGAGACTGTGGCTAAGGAGGTGCAGAGG
 TCTTATACACCGAAAGCTGGGACAAACGCTGGTGAAGACATTGCCTGGCAAGGAAGCCAGCTGACGGT
 TCAGGACTTGGCTGCCTCCGGCCGAAAGTGGTGAACCCCTGGAGATGGCCCTAGGAACTATACCCTG
 TACTCTCCACCGCCGCCGAGGGGGCGCTATTCTTAGCTTCACTTCTCAACGTGCTGAAAGGGTTCACT
 TCTCTGCAGAGACGGTGGCCGGGCTGAAGGGAAGGTGAACATGTACCACCCTGTAGAGGCTCTCAA
 GTTCGCAGTAGGGCAGAGGTGGCGGCTATGGGACCCCTACAGCCACCCAGGGATACAGAACATCTCCAG
 GACCTTCTCCGGGAGACTTAGCCAGCACATCCGCCAGCAGATTGATGGCCGTGGTACCACCAGCTCA
 GCCATTACAACCTGTCCGGGTCAGGGCAACAGCATGGGCACGTCTCATGTGTCTGTTGGGAGAAGA
 CGGCAGCGCTGTGGCAGCCACCAGCACCAACACACCCCTTGGAGCGATGGTGTACTCCACCGGACA
 GGCATCCTCCTCAACAACGAGCTACTAGACTTATGCTGGAGACACAAGCCAGTTCAACGGTACCCTC
 CCCCTGTTCCAGGTGAGCAGCCACCATCATCCATGGTACCCTCCATCTTGATCAACGAAGTCCAGGGGTC
 GAAGCTGGTGATCGGTGGGGCTGGTGGGGAGTTATCATCTCTGCTGTGACCCAGGCTATCGTGAATAAG
 CTGTGGCTTGGCTTAGCCTGACAGAGCCATCGCAGCGCCATCCTACATGTGAATAGCAAGGGCCACG
 TGGAAATAGAGCCCAAGTTAAACCAGGAGTTCGGAAGGGGCTACAGGACCGAGGCCAGAGCCAGAGCCA
 GAGCCAGAGGCCGTTTCTGAATTCGGTCCAGGCTGTGTTTCAGGAAGGGCCCTGTGTCTATGCAGCA
 TCTGACCTGAGGAAGGCTGGAAGGCTTCAAGGATACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019235
- Insert Size:** 1719 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_019235.2](#), [NP_062108.2](#)

RefSeq Size: 2636 bp

RefSeq ORF: 1719 bp

Locus ID: 29566

UniProt ID: [Q5PQV0](#)

Cytogenetics: 20p12

Gene Summary: involved in protecting the lungs from stress due to oxidation or other types of toxics [RGD, Feb 2006]