

Product datasheet for **RN210284**

Ggt5 (NM_019235) Rat Untagged Clone

Product data:

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



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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCATGGGGCCATAGGACCACAGTCTGCCTGGTCTGTGGTGTGAGTCTGGGTCTGGCCATCATTG
TGCTGGCTGTGGTCCTTCTCATACCAAGCCTTTGCCGTCCCGATGCCTTCACTCGTGTGCCGTAGC
TGCTGATTCTAAGATCTGCTCAGATATTGGACGAGTCATCCTCCAGCAGCAGGGCTCACCTGTGGACGCC
GCCATTGTGCCCTCATCTGTACCGGTGTTGTTAACCTCAGAGCATGGGCCTGGGCGGAGGGTCTGTCT
TCACCATCTACAATGCATCTACAGGAAGGTGGAGGTCAATGCTCGGAGACAGTGCACGCCAGCCA
TGACCAGAGACTGCTAGACCAGTGTACAAATGCCCTGCCACTGTGCACAGGGGCCAGTGGATCGGGTT
CCTGGTGAGTCCGCGGCTATGCTGAGGCGCACCGCCGATACGGCCGCTGCCTTGGGCTCAGCTTTTCC
AGCCACCATTGCCCTGCTCCGAGAGGGTTCCGTGTGCCCTATCCTCAGTCAGTTCTCAACACCAG
CTTCTGCAGCCCTGCTGAATTCATCAACCTGAGACAGCTCTTCTCAATGGGACAGAAACCTTGAGA
TCTCAGGACCCACTCCCATGGCCTGCGCTGGCCAACACCTTGGAGACTGTGGCTAAGGAGGTGCAGAGG
TCTTATACACCGAAAGCTGGGACAAACGCTGGTGAAGACATTGCCTGGCAAGGAAGCCAGCTGACGGT
TCAGGACTTGGCTGCCTCCGGCCGAAAGTGGTGAACCCCTGGAGATGGCCCTAGGAACTATACCCCTG
TACTCTCCACCGCCGCCGAGGGGGCGCTATTCTTAGCTTCACTTCTCAACGTGCTGAAAGGGTTCAACT
TCTCTGCAGAGACGGTGGCCGGGCTGAAGGGAAGGTGAACATGTACCACCACCTGTAGAGGCTCTCAA
GTTTCGAGTAGGGCAGAGGTGGCGGCTATGGGACCCCTACAGCCACCCAGGGATACAGAACATCTCCAG
GACCTTCTCCGGGAGACTTAGCCAGCACATCCGCCAGCAGATTGATGGCCGTGGTGACCACAGCTCA
GCCATTACAACCTGTCCGGGTCAGGGCAACAGCATGGGCACGTCTCATGTGTCTGTGTTGGGAGAAGA
CGGCAGCGCTGTGGCAGCCACCAGCACCAACACACCCCTTGGAGCGATGGTGTACTCCACCGGACA
GGCATCTCTCAACAACGAGCTACTAGACTTATGCTGGAGACACAAGCCAGGTTCAACGGTCACCCCTC
CCCCTGTTCCAGGTGAGCAGCCACCATCATCCATGGTACCCTCCATCTTGATCAACGAAGTCCAGGGGTC
GAAGCTGGTGATCGGTGGGGCTGGTGGGGAGCTTATCATCTCTGCTGTGACCCAGGCTATCGTGAATAAG
CTGTGGCTTGGCTTAGCCTGACAGAGCCATCGCAGCGCCATCCTACATGTGAATAGCAAGGGCCACG
TGGAAATAGAGCCCAAGTTAAACCAGGAGGTTCCGAAGGGGCTACAGGACCGAGGCCAGGCCAGAGCCA
GAGCCAGAGGCCGTTTCTGAATTCGGTCCAGGCTGTGTTTCAGGAAGGGCCCTGTGTCTATGCAGCA
TCTGACCTGAGGAAGGCTGGAAGGCTTACAGGATACTAA

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]