

Product datasheet for **RR203209**

Ggt6 (NM_001002820) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggt6 (NM_001002820) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ggt6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203209 representing NM_001002820
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCCACCACAGGGGCTGTGCTCTACCAGAAGCTGCAACTCTGGGAGCCTGGCATGGAGTCAGAGG
 AGGAGGAAGAAGAGGAAGAAATAGCAGAACCCTAGTCCCTTCCCTAAGGAGACTCCAAAATACCCCGG
 GAACAAGGTTGGTGGGTTGCCAGGAGCCTGGACCCGCCTGCTGGCAGGCCTGCTGCTGCTGGCTGTTAGC
 AGCTCCCTGGCTCTGAGGCAGCTGCAAGGTAGGAACAGCCAAAAGGAACTTGGGCCCTGTGGATCTTC
 CAGCCAGCAGACTCCCACCACCTGGTGTGTACCACCACAGCGCTGTCATCAGCCCTGCAGCCACATG
 TTCCCGACTGGGCAAGAGCTGCTTGTGCTGGGGCAATGTCGTGGATGCTGGAGTTGGAGCAGCTTTG
 TGTCTGGCGGTGGTGCATCCTCATGCAACAGGGCTAGGTGCCACATTCTGGGGTCTCTTCTACAATAGCT
 CCTCAGGAACTCAACTGCCCTGACAGCAGGTCCAGCCAAATCTGGCCCTGGCCTGGGACTGCCAC
 AGCTCTGCTGCCCTGCATTTGCTTCATACCCACTTCGGCCGCTGCCCTGGTACACCTGCTGGCCAAG
 CCTGCCATGCTGGCTCAAAGGGCTTTGAGGTAGATGCACCCCTGGCAAGCGCACTAGCAGCCAGGGTA
 CAGAGGGGCTCTGTCCACTGTTCTGCCATACCAACGGAACCCCACTGGGTCTTGGGGCTCAAGTACCAA
 CCCAACCTGGCAGCTGTGTTGCTCCGTGAAGCCCTGGCCTCCAGCCAGATCTTGTTGGGAATGCCTTG
 CTGAACCTGCTGGTCAGAGACCTGGGGTTAGAGTTGCCCTCTGTGCAGCCCAAGCCTTCTTAGAGCCTG
 CACTGCAGCTTCTTCTGCCTCAGGGTGTGCTGTCTACTACTCTGGCCCTCAGCAGGCCAGAACTTAT
 GGGACTGTTGGAGTCTACTTCTCACTCAAGACACCCAGCCCTGCTTCTGCTCATCACTCCTGCAGACT
 GCTGAAACCCAGTGAGCAGTCCCTGGCACTGTGGACAGCCATGGCTCCATGCTCCTTCAACCTCCT
 CACTCAACAGCTCCTTTGGCTCTGGACATCTGTCCCAAGTACTGGCGTCTTCTCAGCAACCTGGAAGC
 CAGCTCTGTACCTAGTACCTGGGCTGTCCACTCATTCTCCGTGGCAACCTAGATGACACAGAAGACGAT
 ATGTTGGGGTGGTGGTTCAGGGATCCCAGAGGGGCCAAAGCCATGGCTTGCACCTTGTCAATCATC
 TGACAACACCCCAACCAACAGCAGGTCCAACATCAAGCCCAACAAAGACCCACAGAAAGCCCTGGCAT
 TTGTGGCAAAGAGGCTCTACTGCAGGTAGTAGTCCATGCAGAACAGCCAGGTCTCCAGCATCCCTAGT
 GGCTGCTGCCCTTTCAGGGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203209 representing NM_001002820
 Red=Cloning site Green=Tags(s)

MDATTGAVLYQKLQWEPGMESEEEEEIEAEPLVLSLRRQLQNTPGNKVGGLPGAWTRLLAGLLLLAVS
 SSLALRQLQGRNSPKGNLGPVDLPASRSHHPGVYHSAVISPAAATCSRLGQELLVAGGNVVDAGVGAAL
 CLAVVHPHATGLGATFWGLFYNSSSGNSTALTAGPAQILAPGLLPTALPALHLLHTHFGRPLPWSHLLAK
 PAMLAQKGFVDAPLASALAAQGTGLCPLFCHTNGTPLGLGAQVTNPAAVLLREALASSPDLVGNAL
 LNLLVRDLGLELPSVQPKPSLEPALQLLLPQGVLFITPGPSAGPELMGLLESTLHKTSPASCSLLQT
 AETPVSSALATVDSHGSMLLLSSLNSSFGSHLSPSTGVLLSNLEASSVPSTWACPLILRGNLDDTEDD
 MLGLVASGIPRGAKAMACTLFNHLTTPQTQQVQHQAQQRPTESPGICGKEALLQVVVHAEHAQVSSIPS
 GCCPFQGY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

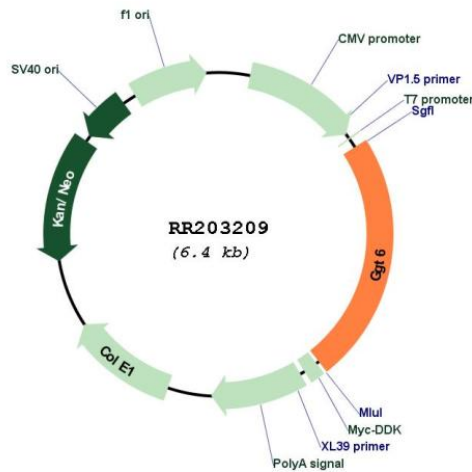
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001002820

ORF Size: 1494 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001002820.1](#), [NP_001002820.1](#)

RefSeq Size: 1497 bp

RefSeq ORF: 1497 bp

Locus ID: 408206

UniProt ID: [Q6IE08](#)

Cytogenetics: 10q24

MW: 51.6 kDa

Gene Summary: predicted to act as a threonine protease [RGD, Feb 2006]