

## Product datasheet for **RR208173**

### **Ggt7 (NM\_130423) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ggt7 (NM_130423) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ggt7
Synonyms:	Ggtl3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR208173 representing NM\_130423  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCAGAGAACGAGGCTAGCCAGGAGAGCGCCCTAGGCGCCTACTCACCAGTAGACTACATGAGCA  
TCACCAGCTTCCCGAGGCTGCCGAGGACGAGCCAGCGCCTGCGGCCCGCTGAGGGGCGTAAGGACGA  
GGATGCCTTCTGGGAGACCCGGATACTGATCCGACTCCTTCCTGAAGTCTGCCCGGCTTCAGCGATTG  
CCTTCATCTTCTCGGAGATGGGAGCCAGGACGGGTCAACACTTCGCGAGACGCGCAAGGACCCATTCT  
CAGCTGCAGCAGCCGAGTGTTCCTGCCGCCAGGACGGGCTCACGGTCATCGTCACCGCCTGCCTCACTTT  
TGCCACGGGTGTACCGTGGCGCTGGTCATGCAAATCTACTTCGGGGATCCCCAGATCTCCAGCAAGGT  
GCTGTGGTGACGGATGCCTCCTGTTGCACGGCGCTGGGCATGGAGGTGCTCAGTAAACAGGGCTCTCCG  
TGGACGCAGCTGTGGCAGCAGCCTTGTTTGGGAATAGTGGCTCCACACAGTTCTGGCCTGGGCGGGGG  
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GGGGCCCTCAGAGAAGAGGCCCTGCAGAGATCCTGGGATACCAAGCCTGGGCTCTTGGTGGGGGTCCCCG  
GAATGGTGAAGGGCTATATGAAGCTCATCAACTCTATGGCAGGCTGCCCTGGTCCCAAGTCTGGCCTT  
CGCAGCAGCTGTGGCCCAAGATGGCTTCAACGTGACCCATGATCTAGCTCATGCCTTGGCTGAGCAGCTG  
CCTCCCAATGCATCTGACCGCTTCTGGAACTTCTGCGGTTGGGCCACCCACCTTGGCTGGCTCCC  
TGCTGAGACGGCCTGATCTCGCGAGGTGCTGGATATACTTGGCATCTCTGGCCCTGCTGCCTTCTACAA  
TGGTGGCAACCTCACGCTGGAGATGGTGGCTGAGGTTGAGCATGCAGGGGGTGTATGACCGAGGAGGAC  
TTCAGCAACTATAGTGCTCTCACGGAGAAGCCTGTGTGGAGTATACCGAGGCCACCTGGTTCTCAGTC  
CCCCACCCACACACAGGCCCGCCCTCATCAGTGGCTCAACATCCTGGAGGGCTTCAACCTCACCAG  
CCTGGTATCCCGGAGCAAGCGCTTCACTGGGTAGCAGAGACCCTGAAGATTGCATTGGCCCTGGCTAGC  
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CTGCCAATTCCGGGGCCACATCAGTACTCTCAGGCAGCCCTGCCCACTCCTGCCTGTCTATGAGCT  
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TCCCTGAATCGGCCTTTTGAAGTGGCCTCCTCACTCCCTCCGGGATCCTTCTCAACAGCCAGATGCTAG  
ACTTCTCCTGGCCCAATAGGACTGCTAACCCTCTGCACCCAGCCTGGAGAACTCGGTACAGCCAGGGAA  
GCGGCCCTCTCTTCTGCCCCTGAGTCCGACCAGCAGAAAGGGCTCTGTGGGACCTACCTCGCT  
CTGGGGCCCAACGGAGCTGCTCGAGGCCTCAGTGGCCTGACCCAGGTTCTACTGAATGCTCCTGACCTTGA  
ATCGGAACTGAGTGACAGCCTGGCCAGAGGACGCTCCACCCAGACCTGCAGTCCAACGCTCCTGCAGGT  
GGACAGTGAGTTCACCGAGGAAGAGATTGAGTTCCTGGAAGCCAGGGGTACCATGTGGAGAAGGTAGAT  
GTCTTATCCTGGGTCCACGGCAGTCGGAGAACCAACTTCATCATTGGTGTGAAGGACCTCGGAGCC  
TGGATGCAACCGGAGCCAGCATCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

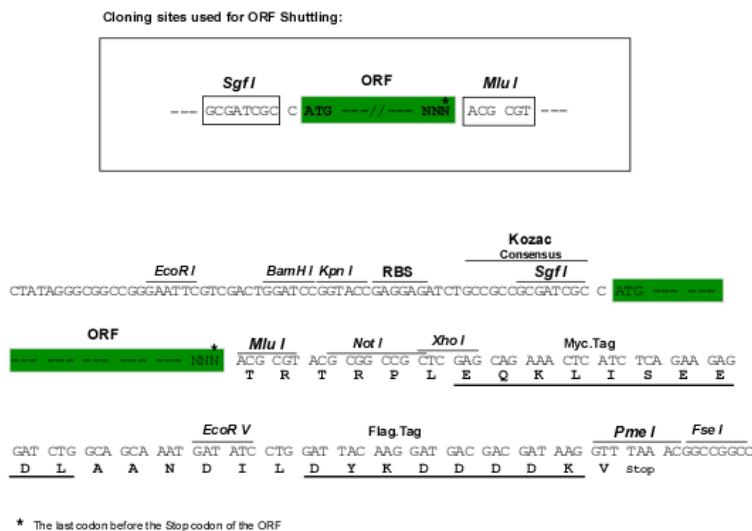
**Protein Sequence:** >RR208173 representing NM\_130423  
Red=Cloning site Green=Tags(s)

MAAENEASQESALGAYSPVDYMSITSFPRLPEDEPAPAAPLRGRKDEDAFLGDPDTPDPSFLKSARLQRL  
 PSSSEMGSQDGSPLRETRKDPFSAAAAECSRQDGLTVIVTACLFATGVTVALVMQIYFGDPQIFQQG  
 AVVTDASCCTALGMEVLSKQGSVDAVAALCLGIVAPHSSGLGGGVMLVHDIRRNESHLDIFRESAP  
 GALREEALQRSWDTKPGLLVGVPGMVKGLYEAHQLYGRLPWSQVLAFAAAVAQDGFNVTHDLAHLAEQL  
 PPNASDRFLETFLPLGHPPLPGSLLRRPDLAEVL DILGISGPAAFYNGGNLTLEMVAEVQHAGGVMTEED  
 FSNYSALTEKPVCGVYRGLVLSPPPPHTGPALISALNILEGFNLTSLSVSREQALHWAETLKIALALAS  
 RLGDVVDSTISESMDDMLSKVEAANFRGHISDSQAAPAPLLPVYELDGAPTAQVLMGPDDFIVAMVS  
 SLNRPFGSGLLTPSGILLNSQMLDFSWPNRTANHSAPLENSVQPKRPLSFLLPVVRPAEGLCGTYLA  
 LGANGAARGLSGLTQVLLNVLTLNRNLSDSLARGRLHPDLQSNVLQVDSEFTEEEIEFLEARGHHVEKVD  
 VLSWVHGSRRTNFIIGVKDPRSLDATGASIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_130423

**ORF Size:** 1986 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\\_130423.2](#), [NP\\_569107.2](#)

**RefSeq Size:** 2589 bp

**RefSeq ORF:** 1989 bp

**Locus ID:** 156275

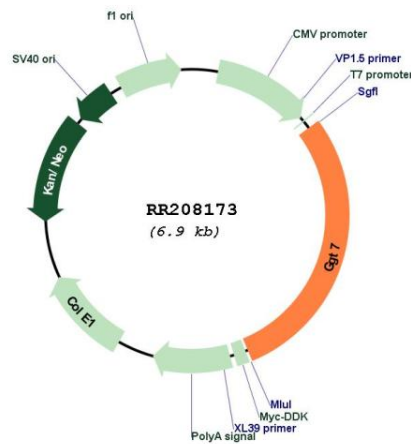
**UniProt ID:** [Q99MZ4](#)

**Cytogenetics:** 3q42

**MW:** 70.4 kDa

**Gene Summary:** a membrane-bound glycoenzyme [RGD, Feb 2006]

**Product images:**



Circular map for RR208173