

Product datasheet for **MR209858**

Ggt7 (NM_144786) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggt7 (NM_144786) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ggt7
Synonyms:	1110017C11Rik; 6330563L03Rik; Ggtl3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR209858 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCTGAGAACGAGGCTAGCCAGGAGAGCGCCCTAGGCGCCTACTCACCAGTGGACTATATGAGCA
 TACCAGCTTCCCGAGGCTGCCGAGGACGAGCCAGCGCCTGCGGCCCACTGAGGGCCGTAAGGACGA
 GGACGCCTTCTGGGAGACCCGGATACTGACCCGACTCCTTCCTCAAGTCTGCCCGGCTTCAGCGGCTG
 CCTTCGTCGTCATCGGAGATGGGACCCAGGACGGGTACCATTACGGGAGACTCGCAAGGACCCATTCT
 CAGCTGCAGCAGAGAGTGTCTTGCCGCCAGGATGGGCTCACGGTCATTGTCACCGCCTGCCTCACTTT
 TGCCACAGGTGTACCGTGGCGCTGGTCATGCAAATCTACTTCGGGGATCCCCAGATCTCCAGCAGGGT
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 GGGCGTGATGTTGGTACATGATATCCGGCGGAATGAGAGCCACCTAATTGATTTCCGGGAGTCTGCACCC
 GGGGCCCTCAGAGAAGAGGCTCTGCAGAGATCCTGGGATACCAAGCCTGGGCTCTTGGTGGGGGTCCCCG
 GAATGGTGAAGGGTTACATGAAGCTCACAGCTCTATGGCAGGCTGCCCTGGTCCCAAGTCTGGCCTT
 CGCAGCAGCTGTGGCCCAAGATGGCTTCAACGTGACCCATGATCTAGCTCATGCCTTGGCTGAGCAGCTG
 CCTCCCAATGCATCTGACCGCTTCTGGATACTTCTGCCACTGGGCCACCCACCTTGCCTGGCTCCC
 TGCTGCGACGGCCTGATCTCGTGAGGTACTGGATATACTCGGCACCTCTGGCCCTGCTGCCTTCTACAA
 TGGTGGCAACCTCACACTGGAGATGGTGGCTGAGGCTCAGCACGAGGTGGTGTACATAACCGAGGAGGAC
 TTCAGCAACTATAGTGCTCTCACGGAGAAGCCTGTGTGGAGTGTACCGAGGCCACCTGGTTCTCAGCC
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 GGATGGGGCTCCCACTGCTGCCAGGTGCTGGTCATGGGCCCTGATGACTTCATCGTAGCCATGGTCAGC
 TCCCTGAACCGGCCTTTTGAAGTGGCCTCCTCACTCCCTCCGGGATCCTTCTCAACAGCCAGATGCTAG
 ACTTCTCCTGGCCCAACAGGACAGCCAACCACTCTGCACCCAGCCTGGAGAACTCGGTACAGCCAGGGAA
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 CTGGGGCCAATGGAGCTGCTCGAGGCCTCAGTGGCCTGACCCAGTTCTACTGAATGCTCCTGACCTTGA
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 TGACAGTGAGTTCACTGAGGAAGAGATTGAGTTCTGGAAGCCAGGGGTACCACGTGGAGAAGGTAGAT
 GTCTTATCCTGGGTCCACGGCAGTCGGAGAACCAACACCTTCATCATCGGTGTGAAGGACCTCGGAGCC
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 ACAAGGATGACGACGATAAGGTTTAA

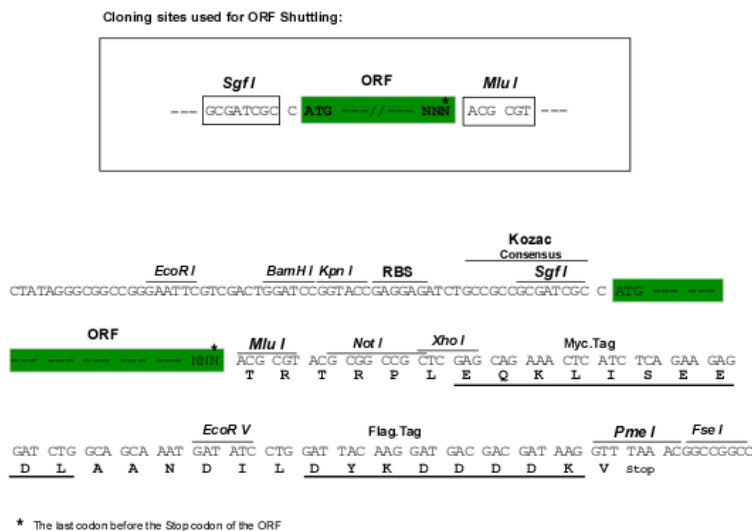
Protein Sequence: >MR209858 protein sequence
Red=Cloning site Green=Tags(s)

MAAENEASQESALGAYSPVDYMSITSFPRLPEDEPAPAAPLRGRKDEDAFLGDPDTPDPSFLKSARLQRL
PSSSEMGSQDGSPLRETRKDPFSAAAAECSRQDGLTVIVTACLFATGVTVALVMQIYFGDPQIFQQG
AVVTDASHCTALGMEVLSKQGSVDAVAALCLGIVAPHSSGLGGGVMLVHDIRRNESHLDIFRESAP
GALREEALQRSWDTKPGLLVGVPGMVKGLHEAHLVYGRLPWSQVLAFAAAVAQDGFNVTHDLAHLAEQL
PPNASDRFLDTFLPLGHPPLPGSLLRRPDLAEVLIDILGTSGPAAFYNGGNLTLEMVAEAQHAGGVI TEED
FSNYSALTEKPVCGVYRGLVLSPPPPHTGPALISALNILEGFNLTSLSVSREQALHWAETLKIALALAS
RLGDPVYDSTITESMDDMLSKVEAANFRGHISDSQAAPAPLLPVYELDGAPTAQVLMGPDDFIVAMVS
SLNRPFSGSLLTPSGILLNSQMLDFSWPNRTANHSAPLENSVQPKRPLSFLLPVVRPAEGLCGTYLA
LGANGAARGLSGLTQVLLNVLTNLRNLSDSLARGRLHPDLQSNLLQVDSEFTEEEIEFLEARGHHVEKVD
VLSWVHGSRRNTFIIGVKDPRSPDAAGATIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144786

ORF Size: 1989 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_144786.1](#), [NP_659035.1](#)

RefSeq Size: 2611 bp

RefSeq ORF: 1989 bp

Locus ID: 207182

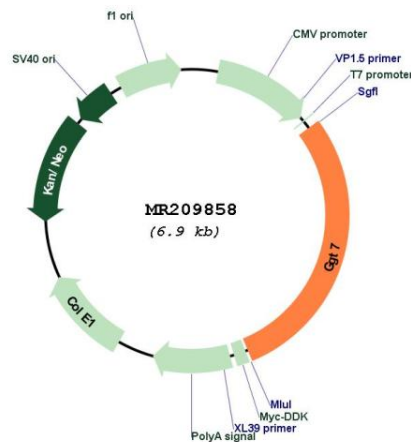
UniProt ID: [Q99JP7](#)

Cytogenetics: 2 H1

MW: 70.3 kDa

Gene Summary: Cleaves glutathione conjugates.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209858