

## Product datasheet for **RC238758**

### **GGT5 (NM\_001302464) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GGT5 (NM_001302464) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GGT5
Synonyms:	GGL; GGT-REL; GGT 5; GGTLA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238758 representing NM\_001302464  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCCCGGGCTACGGGGCCACGGTCAGCCTAGTCTGTGGTCTGGGGCTGGCGCTGGCTGTCAATTG  
 TGCTGGCTGTGGTCTCTCTCGACACCAGGCCCATGTGGCCCCAGGCCTTTGCCACGCTGCTGTTGC  
 CGCCGACTCCAAGTCTGCTCGGATATTGGACGAGCCATCCTCCAGCAGCAGGGCTCACCCGTGGATGCC  
 ACCATCGCGGCTCTGGTCTGCACCAGCGTCGTAACCCTCAGAGCATGGGCCTGGGCGGAGGGGTATCT  
 TCACCATCTACAATGTGACAACAGGGGCCAGTGGATCGGGTGCCCGGGGAGCTCCGTGGCTATGCCGA  
 GGCCACCGCCGCATGGCCGCTGCCCTGGGCGCAGCTGTTCCAGCCCACCATCGCGCTGCTCCGAGGG  
 GGGCATGTGGTGGCCCTGTCTCAGCCGTTTCTGCACAACAGCATCCTGCGGCCTTCTTGCAGGCGT  
 CAACCTGCGCCAGCTCTTCTTCAACGGGACAGAACCCCTGAGGCCTCAGGACCCACTCCATGGCTGC  
 ACTGGCCACCACCCTGGAGACCTGGCCACAGAGGGCGTGGAGGTCTTACACGGGGAGGCTGGGCCAG  
 ATGCTGGTGGAGGACATTGCCAAGGAAGGGAGCCAGCTGACGCTGCAGGACCTGGCCAAGTTCAGCCCG  
 AGGTGGTGGATGCCCTGGAGGTGCCCTGGGGACTATACCCTGTACTACCACCGCCGCTGCAGGGGG  
 TGCCATTCTCAGCTTTATCCTCAACGTGCTAAGAGGGTTCAACTTCTCAACAGAGTCTATGGCCAGGCC  
 GAAGGGAGGGTGAACGTGTACCACCACCTGTAGAGACGCTCAAGTTTGCCAAGGGGAGAGGTGGAGGC  
 TGGGGGACCCTCGAAGCCACCCGAAGCTCCAGAATGCCTCCCGGGACCTGCTGGGGGAGACCCTGGCCCA  
 GCTCATCCGCCAACAGATCGATGGCCGGGGGACCACCAGCTCAGCCACTACAGCTTGGCCGAGGCGCTGG  
 GGCCACGGGACAGGCACGTCCCATGTGTCTGTGCTGGGGGAGGATGGCAGCGCCGTGGCTGCCACCAGCA  
 CCATCAACACACCCTTTGGAGCGATGGTGTATTACCACGGACAGGCATCATCCTCAACAACGAGTCTCT  
 GGACTTATGCGAGCGATGCCCCCGGGTTCCGGCACACCCTCACCTGTGAGTGGAGACAGGTGGGT  
 GGAGCTCCCGGAAGGTGCTGGCCCCAGTTCAGGCGAGCGTTCCTCCATCCTCCATGGTGCCTCCATCT  
 TGATCAACAAAGCCAGGGGTGGAAGCTAGTGATTGGCGGGGCTGGCGGGGAGCTCATCATCTCTGCTGT  
 GGCCAGGCCATCATGAGCAAGCTGTGGCTTGGCTTTGACCTGAGAGCGGCCATTGCAGCCCCCATCCTG  
 CATGTCAACAGCAAGGGCTGTGTGGAGTACGAGCCCACTCAGCCAGAGACGGTGTCTTGTCTTGTTC  
 CCTGGCTGTTCTCAAACCTCTGGCCTCAAGTATCCTGCCACCTGGCTCCCAAGTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238758 representing NM\_001302464  
 Red=Cloning site Green=Tags(s)

MARGYGATVSLVLLGLGLALAVIVLAVVLSRHQAPCGPQAFHAHAVAADS KVCSDIGRAILQQQSPVDA  
 TIAALVCTSVVNPQSMGLGGGVIFTIYNVTTGAQWIGVPGELRGYAEAHRRHRGLPWAQLFQPTIALLRG  
 GHVVAPVLSRFLHNSILRPSLQASTLRQLFFNGTEPLRPQDPLPWPALATTLETVATEGVEVFTGRLGQ  
 MLVEDIAKEGSQLTLQDLAKFQPEVVDALEVPLGDYTLSPPPPAGGAILSFILNVLRFNFSTESMARP  
 EGRVNVYHHLVETLKFAKQQRWRLGDPRSHPKLQNASRDLLGETLAQLIRQQIDGRGDHQLSHYSLAEAW  
 GHGTGTSHVSVLGEDGSAVAATSTINTPFAMVYSPRTGIILNNEILLDLERCPRGSGTTPSPVSGDRVG  
 GAPGRCWPPVPGERSPSSMVPSILINKAQGSKLVIGGAGGELIISAVAQAIMSKLWLGFDLRAAIAAPIL  
 HVNSKGCVEYEPNFSQRRLALLPWLFSNSWPQVILPPWLPSPG

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



**Cytogenetics:** 22q11.23

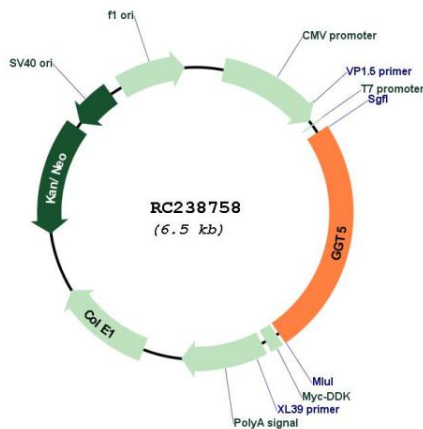
**Protein Families:** Protease, Transmembrane

**Protein Pathways:** Arachidonic acid metabolism, Cyanoamino acid metabolism, Glutathione metabolism, Metabolic pathways, Selenoamino acid metabolism, Taurine and hypotaurine metabolism

**MW:** 57.3 kDa

**Gene Summary:** This gene is a member of the gamma-glutamyl transpeptidase gene family, and some reports indicate that it is capable of cleaving the gamma-glutamyl moiety of glutathione. The protein encoded by this gene is synthesized as a single, catalytically-inactive polypeptide, that is processed post-transcriptionally to form a heavy and light subunit, with the catalytic activity contained within the small subunit. The encoded enzyme is able to convert leukotriene C4 to leukotriene D4, but appears to have distinct substrate specificity compared to gamma-glutamyl transpeptidase. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]

**Product images:**



Circular map for RC238758