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Product datasheet for SC336474

GGT6 (NM_001288702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GGT6 (NM_001288702) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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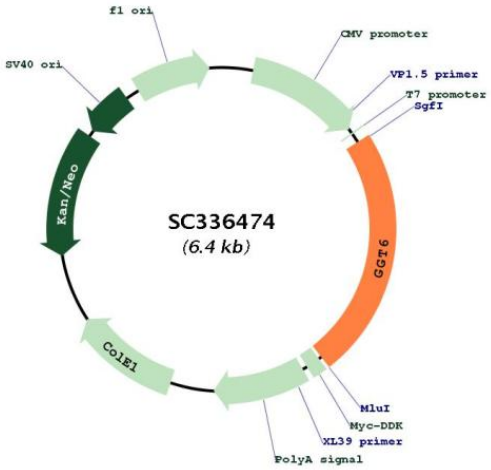
Fully Sequenced ORF:

>SC336474 representing NM_001288702.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCGGGCAGAAGAGCCCGTGGTCTATCAGAAGCTGCTGCCCTGGGAGCCAAGCTTGGAGTCGGAG
GAGGAAGTGGAGGAGGAGGAGACATCAGAGGCGCTGGTTCTAAACCCCCGGAGGCACCAGGACTCTTCC
AGGAACAAGGCTGGCGGGCTGCCCGGAACCTGGGCCCGTGTAGTGGCAGCCCTGCTGCTGCTGGCTGTT
GGCTGCTCCCTGGCTGTGAGGCAGCTCCAGAATCAGGGCAGGTCGACAGGAAGCTTGGGCTCTGTGGCC
CCTCCACCCGGCGGACACTCCCACGGCCCTGGCGTATACCACCACGGTGCCATCATCAGCCCTGCAGCC
ACATGCTCCCACCTAGGCCGAGAGCTGCTTGTTGCCGGGGGCAACGTCGTGGATGCTGGAGTTGGAGCT
GCATTGTGCCTGGCAGTGGTGCATCCTCATGCCACGGGGCTAGGTGCCATGTTTTGGGGCCTCTTCCAC
GATAGCTCCTCAGGCAATTCCACGGCCCTGACATCAGGCCCAGCACAGACCCTGGCCCCCGGCCTGGGG
CTGCCCGCGGCTCTGCCCACCCTGCACCTGCTGCATGCACGCTTCGGCCGCCTGCCCTGGCCACGCCTG
CTAGTGGGCCCCACCACGCTGGCTCAGGAGGGCTTCCTGGTGGACACACCCCTGGCAAGGGCTCTGGTG
GCTCGGGGCACAGAAGGCCTCTGTCCACTACTTTGCCATGCTGATGGGACACCCCTGGGCGCTGGGGCC
CGAGCCACCAACCCACAACTGGCAGCTGTGCTTCGCAGCGCAGCCCTCGCTCCCACCTCAGACCTTGCT
GGGGATGCTCTACTGAGTCTACTGGCGGGAGACCTGGGGGTGGAGGTGCCCTCGGCTGTGCCCAGGCCC
ACTTTGGAACCAGCAGAGCAGCTACCTGTGCCCCAGGGCATCCTGTTCACCACCCCCAGTCCCTCAGCT
GGCCCAGAACTGCTGGCACTGTTGGAGGCAGCCCTGCGCTCCGGGGCGCCCATCCCTGACCCCTGCCCA
CCGTTCCTGCAGACTGCTGTGAGCCCCGAGAGCAGTGCCCTGGCCGCCGTGGACAGCAGCGGCTCTGTG
CTCCTTCTCACCTCCTCGCTCAACTGCTCCTTTGGCTCTGCACACCTGTCCCCAAGCACTGGGGTTCTG
CTCAGCAACCTGGTGGCCAAGTCTACCACTAGTGCCTGGGCCTGCCCCCTCATCCTCCGTGGCAGCCTG
GATGACACAGAGGCTGATGTGTTGGGGCTTGTGGCTTCAGGGACCCCTGATGTGGCCAGGGCCATGACT
CACACCCTACTCAGGCATCTGGCAGCAAGGCCCCCTACCCAGGCCCAGCACCAGCATCAGGGTCAGCAA
GAACCAACAGAGCATCCCAGCACTTGTGGCCAAGGGACCCTGCTCCAGGTGGCAGCCCACACAGAGCAC
GCCCATGTCTCCAGTGTCCCCCATGCCTGCTGCCCCTTCCAGGGGTTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001288702

Insert Size: 1500 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_001288702.1
RefSeq Size:	2670 bp
RefSeq ORF:	1500 bp
Locus ID:	124975
UniProt ID:	Q6P531
Cytogenetics:	17p13.2
Protein Pathways:	Arachidonic acid metabolism, Cyanoamino acid metabolism, Glutathione metabolism, Metabolic pathways, Selenoamino acid metabolism, Taurine and hypotaurine metabolism
MW:	51.1 kDa
Gene Summary:	GGT6 belongs to the gamma-glutamyltransferase (GGT; EC 2.3.2.2) gene family. GGT is a membrane-bound extracellular enzyme that cleaves gamma-glutamyl peptide bonds in glutathione and other peptides and transfers the gamma-glutamyl moiety to acceptors. GGT is also key to glutathione homeostasis because it provides substrates for glutathione synthesis (Heisterkamp et al., 2008 [PubMed 18357469]).[supplied by OMIM, Oct 2008] Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (c).