

Product datasheet for **SC307148**

GGTLC1 (NM_178311) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GGTLC1 (NM_178311) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGTLC1
Synonyms:	dj831C21.1; dj831C21.2; GGTL6; GGTLA3; GGTLA4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307148 representing NM_178311. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGACCTCCGAGTTCTTCTCTGCCAGCTCCGGGCCAGATCTCTGACGACCACTCACCCGATCTCC
 TACTACAAGCCCGAGTTCTACATGCCGGATGACGGGGCACTGCTCACCTGTCTGTGGTCGAGAGGAC
 GGCAGTGTGTCCGCCACCAGCACCATCAACCTCTACTTTGGCTCCAAGGTGCGCTCCCCAGTCAGC
 GGGATCTGCTCAATAATGAAATGGATGACTTCAGCTCTACCAGCATACCAACGAGTTTGGGTACCC
 CCCTCACCTGCCAATTTTCAGCCAGGGAAGCAGCCGCTCTCGTCCATGTGCCGACGATCATGGTG
 GGCCAGGACGGCCAGTCCGGATGGTGGTGGGAGCTGCCGGGGCACGCAGATCACCATGGCCACTGCA
 CTGGCCATCATCTACAACCTCTGGTTCCGGCTATGACGTGAAGTGGGCCGTGGAGGAGCCCCGGCTGCAC
 AACCAGCTTCTGCCAACGTACGACAGTGGAGAGAAACATTGACCAGGAAGTACTGCAGCCCTGGAG
 ACCCGGCACCATCACACCCAGATCACGTCCACCTTCATTGCTGTGGTGCAAGCCATCGTCCGCATGGCT
 GGTGGCTGGGCAGCTGCCTCGGACTCCAGGAAAGGTGGGGAACCTGCTGGCTACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_178311
Insert Size:	678 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_178311.2
RefSeq Size:	1066 bp
RefSeq ORF:	678 bp
Locus ID:	92086
UniProt ID:	Q9BX51
Cytogenetics:	20p11.21
MW:	24.3 kDa
Gene Summary:	<p>This gene encodes a member of the gamma-glutamyl transpeptidase (GGT) family, which are important in the metabolism of glutathione. The most ubiquitously expressed human GGT gene, GGT1, encodes a single transmembrane polypeptide that is post-translationally processed to form a heavy and a light chain. In contrast, the product of this gene only contains homology to the light chain region, and lacks a transmembrane domain. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (A) represents the longer transcript. Both variants A and B encode the same protein.</p>