

## Product datasheet for **SC307870**

### GGTLC2 (NM\_199127) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GGTLC2
Synonyms:	GGTL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307870 representing NM_199127. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCTCTGAGTTCTTCGCTGCCAGCTCCGGGCCAGATCTCTGACGACACCACTACCCGATCTCC
TACTACAAGCCCGAGTTCTACACGCCGTTGATGGGGGCACTGCTCACCTGTCTGTCTGTCGAGAGGAC
GGCAGTGCTGTGTCCGCCACCAGCACCATCAACCTCTACTTTGGCTCCAAGGTCCGCTCCCGGTCAGC
GAGATCCTGTTCAATGATGAAATGGATGACTTCAGCTCTCCAACATCACCAACGAGTTTGGGGTGCCC
CCCTCACCTGCCAATTTATCCAGCCAGGGAAGCAGCCGCTCTCGTCAATGTGCCGACGATCATGGTG
GGCCAGGACGCCAGCCCCAAGCCATGCTGATCACACTCCCATGCCCGAGGCCATCATCTACAACCTC
TGGTTCCGGCTATGACGTGAAGCGGGCCGTGGAGGAGCCCGGCTGCACAACAGCTTCTGCCAACGTC
ACGACAGTGGAGAGAAACATTGACCAGGCAGTGACTGCAGCCCTGGAGACCCGGCACCATCACACCCAG
ATCGCGTCCACCTTCATCGCTGTGGTGCAAGCCATCGTCCGACGGCTGGTGGCTGGGCAGCTGCCTCG
GACTCCAGGAAAGGCGGGGAGCCTGCCGGCTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_199127
Insert Size:	657 bp



<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_199127.2</a>
<b>RefSeq Size:</b>	855 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	91227
<b>UniProt ID:</b>	<a href="#">Q14390</a>
<b>Cytogenetics:</b>	22q11.22
<b>MW:</b>	23.7 kDa

**Gene Summary:**

This gene encodes a protein related to enzymes that cleaves gamma-glutamyl peptide bonds in glutathione and other peptides. Unlike similar proteins, the encoded protein contains only the light chain portion and may not have catalytic activity. Alternative splicing results in multiple transcript variants. There are several related family members and related pseudogene for this gene situated in the same region of chromosome 22. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.