

Product datasheet for **SC334839**

GGTLC2 (NM_001282879) 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:	>NCBI ORF sequence for NM_001282879, the custom clone sequence may differ by one or more nucleotides

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ATGACCTCTGAGTTCTTCGCTGCCAGCTCCGGGCCAGATCTCTGACGACACCACTACCCGATCTCCT
ACTACAAGCCCGAGTTCTACACGCCGTTGATGGGGGCACTGCTCACCTGTCTGTCGTCGAGGACGG
CAGTGCTGTGTCCGCCACCAGCACCATCAACCTCTACTTTGGCTCCAAGGTCCGCTCCCGGTCAGCGAG
ATCCTGTTCAATGATGAAATGGATGACTTCAGCTCTCCCAACATCACCACGAGTTTGGGGTGCCCCCT
CACCTGCCAATTTTCATCCAGCCAGGGAAGCAGCCGCTCTCGTCAATGTGCCCGACGATCATGGTGGGCCA
GGACGCCAGGTCCGGATGGTGGTGGGAGCTGCTGGGGGCACACAGATCACCACAGCCACTGCACTGATA
TGTGTCAACCCCTTTTCTCCCTGGCCGTGCCACCCTGCACAGCCCCCAAGCCATGCTGATCACACTCCCA
TGCCCCAGGCCATCATCTACAACCTCTGGTTCGGCTATGACGTGAAGCGGGCCGTGGAGGAGCCCCGGCT
GCACAACCACTTCTGCCAACGTCACGACAGTGGAGAGAAACATTGACCAGGCAGTGAAGTGCAGCCCTG
GAGACCCGGCACCATCACACCCAGATCGCGTCCACCTTCATCGCTGTGGTGCAAGCCATCGTCCGCACGG
CTGGTGGCTGGGCAGCTGCCTCGGACTCCAGGAAAGCGGGGAGCCTGCCGGCTACTGA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001282879
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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001282879.1, NP_001269808.1</u>
RefSeq Size:	985 bp
RefSeq ORF:	759 bp
Locus ID:	91227
UniProt ID:	<u>Q14390</u>
Cytogenetics:	22q11.22
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and contains an alternate in-frame segment in the central coding region, compared to variant 1. The encoded isoform (3) is longer than 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.</p>