

Datasheet for ABIN4919579

## Human GGTL1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	GGTL1
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human GGTL1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	678 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGACCTCCG AGTTCTTCTC TGCCCAGCTC CGGGCCCAGA TCTCTGACGA CACCACTCAC CCGATCTCCT ACTACAAGCC CGAGTTCTAC ATGCCGGATG ACGGGGGCAC TGCTCACCTG TCTGTGGTGC CAGAGGACGG CAGTGCTGTG TCCGCCACCA GCACCATCAA CCTCTACTTT GGCTCCAAGG TGCGCTCCCC AGTCAGCGGG ATCCTGCTCA ATAATGAAAT GGATGACTTC AGCTCTACCA GCATCACCAA CGAGTTTGGG GTACCCCCCT CACCTGCCAA TTTTCATCCAG

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## Product Details

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CCAGGGAAGC AGCCGCTCTC GTCCATGTGC CCGACGATCA TGGTGGGCCA GGACGGCCAG  
GTCCGGATGG TGGTGGGAGC TGCCGGGGGC ACGCAGATCA CCATGGCCAC TGCACTGGCC  
ATCATCTACA ACCTCTGGTT CGGCTATGAC GTGAAGTGGG CCGTGGAGGA GCCCCGGCTG  
CACAACCAGC TTCTGCCCAA CGTCACGACA GTGGAGAGAA ACATTGACCA GGAAGTGACT  
GCAGCCCTGG AGACCCGGCA CCATCACACC CAGATCACGT CCACCTTCAT TGCTGTGGTG  
CAAGCCATCG TCCGCATGGC TGGTGGCTGG GCAGCTGCCT CGGACTCCAG GAAAGGTGGG  
GAACCTGCTG GCTACTGA

Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology
Characteristics:	Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.
Sequencing Primer:	<ul style="list-style-type: none"><li>• Forward primer: 5'-TAATACGACTCACTATAGGG-3'</li><li>• Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'</li></ul>
Grade:	End-sequenced
Components:	The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene:	GGTLC1
Alternative Name:	GGTLC1 ( <a href="#">GGTLC1 Products</a> )
Background:	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].
Gene ID:	92086
NCBI Accession:	<a href="#">NM_178312</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format: Lyophilized

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Storage: RT/-20 °C

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Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

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Expiry Date: 12 months

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## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)