

## Product datasheet for **SC305349**

### **GNGT2 (NM\_031498) Human Untagged Clone**

#### Product data:

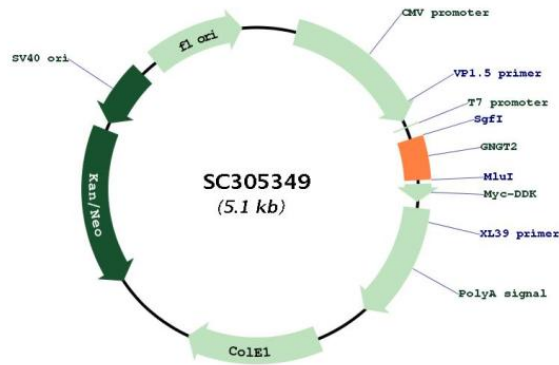
Product Type:	Expression Plasmids
Product Name:	GNGT2 (NM_031498) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNGT2
Synonyms:	G-GAMMA-8; G-GAMMA-C; GNG9; GNGT8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305349 representing NM_031498. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCCAGGATCTCAGCGAGAAGGACCTGTTGAAGATGGAGGTGGAGCAGCTGAAGAAAGAAGTAAA
AACACAAGAATTCGATTTCCAAGCGGGAAAGGAAATCAAGGAGTACGTGGAGGCCAAGCAGGAAAC
GATCCTTTTCTCAAAGGCATCCCTGAGGACAAGAATCCCTTCAAGGAGAAAGGTGGCTGTCTGATAAGC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_031498

**Insert Size:** 210 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).

**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).

<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>RefSeq:</b>	<a href="#">NM_031498.2</a>
<b>RefSeq Size:</b>	1057 bp
<b>RefSeq ORF:</b>	210 bp
<b>Locus ID:</b>	2793
<b>UniProt ID:</b>	<a href="#">O14610</a>
<b>Cytogenetics:</b>	17q21.32
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Chemokine signaling pathway
<b>MW:</b>	7.7 kDa
<b>Gene Summary:</b>	<p>Phototransduction in rod and cone photoreceptors is regulated by groups of signaling proteins. The encoded protein is thought to play a crucial role in cone phototransduction. It belongs to the G protein gamma family and localized specifically in cones. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All four variants encode the same protein.</p>