

Product datasheet for **SC329472**

GNGT2 (NM_001198755) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GNGT2 (NM_001198755) Human Untagged Clone
Tag: Tag Free
Symbol: GNGT2
Synonyms: G-GAMMA-8; G-GAMMA-C; GNG9; GNGT8
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329472 representing NM_001198755.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCCAGGATCTCAGCGAGAAGGACCTGTTGAAGATGGAGGTGGAGCAGCTGAAGAAAGAAGTGAA
 AACACAAGAATTCGATTTCCTCAAGCGGAAAGGAAATCAAGGAGTACGTGGAGGCCAAGCAGGAAAC
 GATCCTTTTCTCAAGGCATCCCTGAGGACAAGAATCCCTTCAAGGAGAAAGGTGGCTGTCTGATAAGC
 TGA

Restriction Sites: SgfI-MluI
ACCN: NM_001198755
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).

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:

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_001198755.1](#)


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RefSeq Size: 1040 bp
RefSeq ORF: 210 bp
Locus ID: 2793
UniProt ID: [O14610](#)
Cytogenetics: 17q21.32
Protein Families: Druggable Genome
Protein Pathways: Chemokine signaling pathway
MW: 7.7 kDa

Gene Summary: 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]
 Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All four variants encode the same protein. 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.