

## Product datasheet for **SC125924**

### **GNGT2 (BC008663) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GNGT2 (BC008663) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNGT2
Synonyms:	G-GAMMA-8; G-GAMMA-C; gamma-T2 subunit; GNG8; GNG9; GNGT8; G protein cone gamma 8 subunit; guanine nucleotide binding protein (G prote; guanine nucleotide binding protein-gamma transducing activity polypeptide 2; guanine nucleotide binding protein gamma 9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC008663 edited TGAAGAGTGAGCTAGGAGAACTTCGTAAGGTGAACTGTGGGGATCCAATGGGCAACACA AAGCATCTTGGTTAAGGAGGTTAGGGGCCGGTCTAGGACTTGCCTCAGGAGGAAGGACAG CCTCAGAGCATGCTCAGAGGTGGGAAGGGAAGGAGGAGAAAGCAGGCGAAGCGGGGCCAT CTGCTTTATCTGAAGATTTTCAGCTGATGAAGAACTAGGAGGCTCAAACACTATCTTACC TGAGTCCAGGACAAGTGACTTGGAGAGTGTGCTCTTCTGTGGCAGGATCAGGTCTGTCTA GGCAGGATGGCCAGGATCTCAGCGAGAAGGACCTGTTGAAGATGGAGGTGGAGCAGCT GAAGAAAGAAGTGAAAAACACAAGAATTCCGATTTCAAAGCGGGAAAGGAAATCAAGGA GTACGTGGAGGCCAAGCAGGAAACGATCCTTTTCTCAAAGGCATCCCTGAGGACAAGAA TCCCTTCAAGGAGAAAGGTGGCTGTCTGATAAGCTGATGGCATGGAGCCCTGCCCTGAGT GTCTGTCCCTCTCAGCCAAGCCCAAGTCTCCTAGACCCCAAGGAGCCAGTGAAGTGTCT ACCTTCTTTCATCACAGAATGAGTAAAGATCCCTGAACAATGCAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	BC008663
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).



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<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>	<u><a href="#">BC008663.1</a></u> , <u><a href="#">AAH08663.1</a></u>
<b>RefSeq Size:</b>	660 bp
<b>Locus ID:</b>	2793
<b>Cytogenetics:</b>	17q21.32
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Chemokine signaling pathway
<b>Gene Summary:</b>	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]