

Product datasheet for **SC122919**

GNGT1 (NM_021955) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNGT1 (NM_021955) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNGT1
Synonyms:	GNG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_021955 edited AATCATATTAGTGAAGATTAGGAAGAAGCTTTAAAATCCCAAGGCTAGTGTGCATTGCTA GAATTGTTAAGAGAGAGAGCTCATATGAAATTGGTTATCGTGGGATATTTAAAATAAAC AAAGAACAGTTTACTTTTCAGGCAAAAAGATGCCAGTAATCAATATTGAGGACCTGACAGA AAAGGACAAATTGAAGATGGAAGTTGACCAGCTCAAGAAAGAAGTGACACTGGAAAGAAT GCTAGTTTCCAAATGTTGTGAAGAAGTAAGAGATTACGTTGAAGAACGATCTGGCGAGGA TCCACTGGTAAAGGGCATCCCAGAGGACAAAAATCCCTTCAAGGAGCTCAAAGGAGGCTG TGTGATTTCATAATACAAACAAAAAGAAAAAAATTAACAAATCTTGGAAATATCTCA AATGTTAATAACAATATGAATTTTTCTCATGCATACTATTACTACTAAGCATGTACGTGA ATTTTTAAATGTATAGATGTAACCTTTTAATAAAAATTGGGGTGTGGTAACACAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021955 unedited GTAACGTCANAATTTGTATACGACTCACTATAGGCGGCCGCGTAATTCGCCATTACGGCC GGGAAATCATATTAGTGAAGATAGGAAGAACTTTAAACCCAAGCTAGTGTGCATTGCTAG AATTGTTAAGAGAGAGAGCTCATATGAAATTGGTTATCGTGGGATATTTAAAATAAAACA AAGAACAGTTTACTTTACGGCAAAAAGATGCCAGTAATCAATATTGAGGACCTGACAGAA AAGGACAATTTGAAGATGGAAGTTGACCAGCTCAAGAAAGAAGTGACACTGGAAGAATG CTAGTTTCCAAATGTTGTGAAGAAGTAAGAGATTACGTTGAAGAACGATCTGGCGAGGAT CCACTGGTAAAGGCATCCCAGAGGACAAAAATCCCTTCAAGGAGCTCAAAGGAGGCTGT GTGATTTCAATAACAAACAAAAAGAAAAAAATTAACAAATCTTGGAAATATCTCAA ATGTTAATAACAATATGAATTTTTCTCATGCATACTATTACTACTAAGCATGTACGTGAA TTTTTAAATGTATAGATGTAACCTTTTAATAAAAATTGGGGTGTGGTNACCCNNCNA AAAAAAAAAAACTACCTGTTGCGGCCCGCNCGTNTTTTCTTACGATTCTTCGGATT GTTTTTTACTTGGTCGCTTACACATCGGTTTTTTTTTTGGCCGATGGCCCCCGGGG GCCGTGGGGATTGGGACATTCTACCTTTCTACAGTCCGACACCTTACTGAACTC TTTCCGGGGGGGCCCTCCCTCGTACACTCTCTTACGGACATCTTTCTCTGTAACG GGCCCTGCCCCCGCGGTAGTCATACGTAGATATTGTGAAT
Restriction Sites:	Please inquire
ACCN:	NM_021955
Insert Size:	563 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:	<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.
RefSeq:	NM_021955.3 , NP_068774.1
RefSeq Size:	628 bp
RefSeq ORF:	225 bp
Locus ID:	2792
UniProt ID:	P63211
Cytogenetics:	7q21.3
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway

Gene Summary:

This gene encodes the gamma subunit of transducin, a guanine nucleotide-binding protein (G protein) that is found in rod outer segments. Transducin, also known as GMPase, mediates the activation of a cyclic GTP-specific (guanosine monophosphate) phosphodiesterase by rhodopsin. [provided by RefSeq, Jul 2016]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.