

Product datasheet for **RG205899**

GNGT1 (NM_021955) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GNGT1 (NM_021955) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GNGT1
Synonyms: GNG1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205899 representing NM_021955
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGCCAGTAATCAATATTGAGGACCTGACAGAAAAGGACAAATTGAAGATGGAAGTTGACCAGCTCAAGA
AAGAAGTGACTGAAAGAATGCTAGTTTCCAAATGTTGTGAAGAAGTAAGAGATTACGTTGAAGAACG
ATCTGGCGAGGATCCACTGGTAAAGGGCATCCCAGAGGACAAAAATCCCTTCAAGGAGCTCAAAGGAGGC
TGTGTGATTCA**

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205899 representing NM_021955
Red=Cloning site Green=Tags(s)

MPVINIEDLTEKDKLKMEVDQLKKEVTLERMLVSKCCEEVRDYVEERSGEDPLVKGIPEDKNPFKELKGG
CVIS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_021955

ORF Size: 222 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

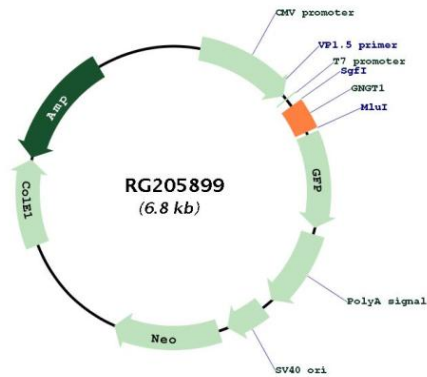
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_021955.5](#)

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]

Product images:



Circular map for RG205899