

Product datasheet for **SC302113**

GNG10 (NM_001017998) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNG10 (NM_001017998) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNG10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001017998 edited ATGTCCTCCGGGGCTAGCGCGAGCGCCCTGCAGCGCTTGGTAGAGCAGCTCAAGTTGGAG GCTGGCGTGGAGAGGATCAAGGTCTCTCAGGCAGCTGCAGAGCTTCAACAGTACTGTATG CAGAATGCCTGCAAGGATGCCCTGCTGGTGGGTGTTCCAGCTGGAAGTAACCCCTTCCGG GAGCCTAGATCCTGTGCTTTACTCTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001017998 unedited GTACTATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCACCAGCTCCCCGGCCG GCCGGGCCAGCAGCCCCCTAGGAGCCCAGCGCCGCCCATGTCCTCCGGGGCTAGCGCG AGCGCCCTGCAGCGCTTGGTAGAGCAGCTCAAGTTGGAGGCTGGCGTGGAGAGGATCAAG GTCTCTCAGGCAGCTGCAGAGCTTCAACAGTACTGTATGCAGAATGCCTGCAAGGATGCC CTGCTGGTGGGTGTTCCAGCTGGAAGTAACCCCTTCCGGGAGCCTAGATCCTGTGCTTTA CTCTGAAGACTCTAGGAGAGAAGTTTGCTGAGGAATGCCTTCAAGCACAAAGTGATGAAT GACTGCCTTCAAGTCTCAAGAAAACACTTTTCCCTAACTTTTAGAGATATTTTCAGCCCTT TCCTGTGGCCTGGTCTATAGCCAAAATCACAGATATTCATGAGTTTCTACTTGAGTGAG AAAAGTGGTGAAGGAATAGAATTTTAAATAGTAATAACTGCTTGTTTTTTTTGTGCAAG TACTTTTATACATAAGATAAACAACAACTTACCACCAACATACAAAATGCACCTCTT TCATAAGTGAGTTACTAAGATTTCTATACCTGGAATATCATGTATGTTTTCATTTACTGGA TGTTTACATTTTAGGAAGAAAATAGTTCTGTTTATTTAAACAACCTGAATACTTATAAAC TGTTGTTCTGGAAGTTATTTATCCATAAAAAATTTGTTCTTTTCTCATGAATTTATAA TTCCATAATGAAGACCAGAAAAGTACAAATGCTGGGAGGAAGATAGCTTTATTAATCAAC TGATGCTTGATTTTCTAAATGGGAAGATTGCTTTATTTTAACTAATTATGGGAGC AGATTCTAGCAAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_001017998
Insert Size:	1400 bp



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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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_001017998.2</u> , <u>NP_001017998.1</u>
RefSeq Size:	1245 bp
RefSeq ORF:	207 bp
Locus ID:	2790
UniProt ID:	<u>P50151</u>
Cytogenetics:	9q31.3
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway
Gene Summary:	<p>Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Interacts with beta-1 and beta-2, but not with beta-3.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represent the longer transcript. Both variants 1 and 2 encode the same protein.</p>