

Product datasheet for SC115485

GNG3 (NM_012202) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNG3 (NM_012202) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNG3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115485 sequence for NM_012202 edited (data generated by NextGen Sequencing) ATGAAAGGTGAGACCCCGGTGAACAGCACTATGAGTATTGGGCAAGCACGCAAGATGGTG GAACAGCTTAAGATTGAAGCCAGCTTGTGTCCGATAAAGGTGTCCAAGGCAGCAGCAGAC CTGATGACTTACTGTGATGCCCCAGCCTGTGAGGATCCCCCTCATACCCCTGTGCCCACT TCGGAGAACCCTTCCGGGAGAAGAAGTTCTTCTGTGCTCTCCTCTGA

Clone variation with respect to NM_012202.3

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_012202 unedited ATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCTTGAGCTGCAGAACTGAGA CCAGACCTCTGGCCTGGCCCTCCCCGGGCCTCCTTTCCTATAGTCACTGCTTCTGCATC AGATACTTTCAGCTGCAACTCCCTACTGGGTGGGGCACCCATTTTCAGGCAGAAGGTTTTG GTACCCTCACTGACCCTACACCAGGGCTGCTACTGCCGCTTGTGGCTTCAGGATGAAA GGTGAGACCCCGGTGAACAGCACTATGAGTATTGGGCAAGCACGCAAGATGGTGGAACAG CTTAAGATTGAAGCCAGCTTGTGTCCGATAAAGGTGTCCAAGGCAGCAGCAGACCTGATG ACTTACTGTGATGCCCCAGCCTGTGAGGATCCCCCTCATACCCCTGTGCCCACTTCGGAG AACCCCTCCGGGAGAAGAAGTTCTTCTGTGCTCTCCTCTGAGCTCCCCGTCCCTTCTC ACAACTCCTCCCTTTTCCCTCTCCTGGGCCCTTCCCTTAGGTCAGTAATTGTTGTGAGCCC CTTANGCTCCTTGCATCCCATCCCTAACCCCTTGCTGACCATGTGAGGTTATCTGAAGCA CAAGGCCACCCTCACCTATCTGTGACCCCATTTCTACCACCTTTGTGGCCGACCCCA AGCACCCAGAAATATGAGGCACCCTTTGCTCCACCACAGCAGGGCCCCGTGAGACTCTTG CAGCGCTCCTGCCCGCTTCTTGGTGACCTGCTCANACATGGAGAGGATGGGCCAGTT CTGCTCTCAATCTCACCTGGAGCTACTGGGAAGGTAAGCCATTTGAGAATAAATCATCCA GAGCCTCAAAAAAAAAAAAAAAAAANAAAAAAAAANAACTCATCTAAATTGCGGCCGGGTC TTTACTGTTCTGAACAAAACCGGTGGGATTTCTGGAACC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012202 unedited GCGGCCGCAATCTAGNATCGAGTTNTTTGAGG CTCTGGATGACTTTATTCTTCAAATGGCTTTACCCTCCCAGTAGCTCCAGGTGAGACTGA GAGCAAGAACCTGGCCATCCCTCTCCATTGTCTGAGCAGGTCACCGAGGGAAGCGGGCA GGACGCGCTGGCAAAGTCTGACGGGGCCCTGCTGTGGGTGGAGCAAAGGGTGCCTCATAT CTCTGGGGTGTCTGGGGTCGGCCACAAAGGGGTAGGAAATGGGGTCGACAGATAGGGGA GGGTGGGCCTTGTGCTTCAGATAACCTCACATGGTCAGGCAAGGGTTAGGGATGGGATGC AAGGAGCCTAAGGGGCTACAACAATTACTGACCTAAGGAAGGGCCCAAGAGAGGGAAAA GGGAGGAGTTGTGAGAAGGGACAGGGGAGCTCAAAGGAGAGCACAGAAGAACTTCTTCTC CCGGAAGGGGTTCTCCGAAGTGGGCACAGGGGTGATGAGGGGATCCTCACAGGCGTGGGC ATCACAGTAAGTCATCAGGTCTGCTGCTGCCTTGGACACCTTTATCCGACACAAGCTGGC TTCAATCTTAAGCTGTTCCACCATCTTGCCTGCTTGCCTAATACTCATAGTGTGCTGCTC CGGGTCTCACCTTTCATCCTGAAGCCCAAGNCGCAGTAGCAGCCCTGGGTGTAGGGTCA GTGGAGGGTACCAAACTTNCTGCCTGAAATGGGTGCCCCCAGTAGGGAGTTGAACCT GAAATTCTGATGCAAAACAGGGACTTAAGAAAGGAGCCCTGGGGAGGGCCAGCCAAGGG CTGGTCCAATTTTGCANTCAAGCCCTCGTGCCAATCCGGGCGCCCTTAAATGAGTCGTT ACAAATCTGACGTTACTTAACACCTTGCTTTATGACCCCCCGACCGCCTCCGCCCTTGG TAACGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_012202
Insert Size:	850 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_012202.1 , NP_036334.1
RefSeq Size:	912 bp
RefSeq ORF:	228 bp
Locus ID:	2785
UniProt ID:	P63215
Cytogenetics:	11q12.3
Domains:	G-gamma

Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway, Taste transduction
Gene Summary:	Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits. The gamma subunit determines the specificity of which signaling pathways will be affected by this particular complex. The protein encoded by this gene represents the gamma subunit of both inhibitory and stimulatory complexes. [provided by RefSeq, Jan 2012]