

Product datasheet for SC117334

GNG4 (NM_004485) Human Untagged Clone

Product data:

| | |
|------------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GNG4 (NM_004485) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GNG4 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC117334 sequence for NM_004485 edited (data generated by NextGen Sequencing) ATGAAAGAGGGCATGTCTAATAACAGCACCCTAGCATCTCCCAAGCCAGGAAAGCTGTG GAGCAGCTAAAGATGGAAGCCTGTATGGACAGGGTCAAGGTCTCCAGGCAGCCGCGGAC CTCCTGGCCTACTGTGAAGCTCACGTGCGGGAAGATCCTCTCATCATTCCAGTGCCTGCA TCAGAAAACCCCTTTCGCGAGAAGAAGTCTTTTGTACCATTCTCTAA Clone variation with respect to NM_004485.3 114 t=>c |
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_004485 unedited NTTGTTCAAATTTTGTNATACGACTCACTTATAGGGCGGCGCGAATTCGCACGAGCCGC GCTGCAGACGAAGCCCGCGCTGATCCCGCTCCGGGTGACCTCAAAGCAGAAGCTCTGAA TTCACCTCTCATCTGACGACTGACAGCTGCTGCCACCGCCAGCCTCTGTCCCTTGCCAG GCCTGTCACACGGCTGCCTCTCAGCAGGGGAGTAGAATGAAAGAGGGCATGTCTAATAA CAGCACCCTAGCATCTCCCAAGCCAGGAAAGCTGTGGAGCAGCTAAAGATGGAAGCCTG TATGGACAGGGTCAAGGTCTCCAGGCAGCCGCGGACCTCCTGGCCTACTGTGAAGCTCA CGTGGCGGAAGATCCTCTCATCATTCCAGTGCCTGCATCAGAAAACCCCTTTCGCGAGAA GAAGTTCTTTTGTACCATTCTCTAACTCCGTGTGTGATGAAAACGCTCCTTTTCTGACC TTCAAAGTCCCCTGTAGAGACCATGCATGCTCTAAGCCTTAGGGAGTGAGACCAACACCC ATCCCTGCCAGCCAACAGTGGCCGGGCTTGTCTTATGTTTCCATCTGTTTTCTTCGTG GCATTCAATTTTCAATTTTTCTTTTCAATTTTCAATTTTCAATTTTCAATTTTCAATTTT ATCAAAATGTTTATAGCCAAATAACAAATGTGCCATGTAAGTAAGTCCCTGACTTAAG AGTTTAAATTTTAAACATCAGTCTTCCAAGTTATATCATATTAATACATTTTCAAGTGA TAATTTATTTAAAAAATAACTATGCCTACATATCCCTTATTTGTATAATTAGTATCAAA TTAGACATTTTGACCAACTGAACTATAACGTTTTCATCTCCTTTCTGAAAAGACCTGCA GAGTTCCGCAATTCCTGCATTCCTCACCTACAAAAA |
| Restriction Sites: | NotI-NotI |



[View online »](#)

| | |
|-------------------------------|---|
| ACCN: | NM_004485 |
| Insert Size: | 4690 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: | <u>NM_004485.2</u> , <u>NP_004476.1</u> |
| RefSeq Size: | 1734 bp |
| RefSeq ORF: | 228 bp |
| Locus ID: | 2786 |
| UniProt ID: | <u>P50150</u> |
| Cytogenetics: | 1q42.3 |
| 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. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p> |