

Product datasheet for SC125264

GNG13 (NM_016541) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNG13 (NM_016541) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNG13
Synonyms:	G(gamma)13; h2-35
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125264 sequence for NM_016541 edited (data generated by NextGen Sequencing) ATGGAGGAGTGGGACGTGCCACAGATGAAGAAAGAGGTGGAGAGCCTTAAGTACCAGCTG GCCTTCCAGCGGGAGATGGCGTCCAAGACCATCCCCGAGCTGCTGAAGTGGATCGAGGAC GGGATCCCCAAGGACCCCTTCTGAACCCCGACCTGATGAAGAACAACCCATGGGTGGAA AAGGGCAAATGCACCATCCTGTGA
	Clone variation with respect to NM_016541.2 48 c=>t
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016541 unedited TACTATAGGGCGGCCGGAATTCCTGACCTCATGGAGGAGTGGGACGTGCCACAGATGA AGAAAGAGGTGGAGAGCCTTAAGTACCAGCTGGCCTTCCAGCGGGAGATGGCGTCCAAGA CCATCCCCGAGCTGCTGAAGTGGATCGAGGACGGGATCCCCAAGGACCCCTTCTGAACC CCGACCTGATGAAGAACAACCCATGGGTGGAAAAGGGCAAATGCACCATCCTGTGAGCCC CTCGAGCGGAGAAGGGCAATTCAGATCTGGTACCGATATCAAGCTTGTGACTCTAGAT TGCGGCCGCGTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTC CCCAGTGCCTCTCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTTAAT AAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCTATAATATTATGGGGTGGAG GGGGTGGTATGGAGCAAGGGGCAAGTTGGGAAGACAACCTGTAGGGCCTGCGGGGTCTA TTGGGAACCAAGCTGGAGTGCAGTGGCACAATCTTGGTCACTGCAATCTCCGCCTCCTG GGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTTGTTGGGATTCCAGGCATGCATGAC CAGGCTCAGCTAATTTTTGTTTTTTGGTAGAGACGGGTTTCCACCATATTGGCCAGGCT GGTCTNCCAACCTA
Restriction Sites:	Please inquire
ACCN:	NM_016541



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Insert Size:	230 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_016541.1 , NP_057625.1
RefSeq Size:	980 bp
RefSeq ORF:	204 bp
Locus ID:	51764
UniProt ID:	Q9P2W3
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway, Taste transduction
Gene Summary:	Heterotrimeric G proteins, which consist of alpha (see MIM 139320), beta (see MIM 139380), and gamma subunits, function as signal transducers for the 7-transmembrane-helix G protein-coupled receptors. GNG13 is a gamma subunit that is expressed in taste, retinal, and neuronal tissues and plays a key role in taste transduction (Li et al., 2006 [PubMed 16473877]).[supplied by OMIM, Oct 2009]