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Product datasheet for SC330180

GNG2 (NM_001243774) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNG2 (NM_001243774) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNG2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330180 representing NM_001243774. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGCCAGCAACAACACCGCCAGCATAGCACAAGCCAGGAAGCTGGTAGAGCAGCTTAAGATGGAAGCC AATATCGACAGGATAAAGGTGTCCAAGGCAGCTGCAGATTTGATGGCCTACTGTGAAGCACATGCCAAG GAAGACCCCCTCCTGACCCCTGTTCCGGCTTCAGAAAACCCGTTTAGGGAGAAGAAGTTTTTCTGTGCC ATCCTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001243774
Insert Size:	216 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:	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_001243774.1
RefSeq Size:	3862 bp

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RefSeq ORF:	216 bp
Locus ID:	54331
UniProt ID:	P59768
Cytogenetics:	14q22.1
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway
MW:	7.9 kDa
Gene Summary:	This gene encodes one of the gamma subunits of a guanine nucleotide-binding protein. Such proteins are involved in signaling mechanisms across membranes. Various subunits forms heterodimers which then interact with the different signal molecules. [provided by RefSeq, Aug 2011] Transcript Variant: This variant (3) lacks an alternate exon 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 to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.