

Product datasheet for MC225512

Gng2 (NM_001285909) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gng2 (NM_001285909) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gng2
Synonyms:	82
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225512 representing NM_001285909 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCAGCAACAACACCGCCAGCATAGCACAAGCCAGGAAGCTGGTAGAACAGCTGAAGATGGAAGCCA
 ACATCGACAGGATAAAGGTGTCCAAGGCAGCTGCTGACTTGATGGCCTACTGTGAGGCACATGCCAAGGA
 AGACCCTCTGCTGACCCAGTCCCAGCCTCAGAAAACCCCTTTCGGGAGAAGAAGTTCTTCTGCGCCATC
 CTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001285909
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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.


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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_001285909.1, NP_001272838.1</u>
RefSeq Size:	3745 bp
RefSeq ORF:	216 bp
Locus ID:	14702
UniProt ID:	<u>P63213</u>
Cytogenetics:	14 11.17 cM
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 (4) differs in the 5' UTR, compared to variant 1. Variants 1-6 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.</p>