

Product datasheet for **MC208565**

Gnao1 (NM_001113384) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnao1 (NM_001113384) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnao1
Synonyms:	alphaO; AW050213; Galphao; Gnao
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208565 representing NM_001113384 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGATGTACGCTGAGCGCAGAGGAGAGGCCCCCTCGAGCGGAGCAAGGCGATTGAGAAAACTCA
AAGAAGATGGCATCAGCGCCGCCAAAGACGTGAAATTACTCTGCTGGGGCTGGAGAATCAGGAAAAAG
CACCATTGTGAAGCAGATGAAGATCATCCATGAAGATGGCTTCTCTGGGAAGACGTGAAGCAGTACAAG
CCTGTGGTCTACAGCAACACCATCCAGTCTCTGGCGCCATTGTCCGGGCATGGACACTTTGGCGTGG
AGTATGGTGACAAGGAGAGGAAGACGGACTCCAAGATGGTGTGTGACGTGGTGTGATCGTATGGAAGACAC
TGAACCGTTCTCTGCAGAACTTCTTTCTGCCATGATGCGACTCTGGGGCGACTCGGGGATCCAGGAGTGC
TTCAACCGATCTCGGGAGTATCAGCTCAATGACTCTGCCAAATACTACCTGGACAGCCTGGATCGGATTG
GAGCCGGTGACTIONACCAGCCCACTGAGCAGGACATCCTCCGAACCAGAGTCAAACAACCTGGCATCGTAGA
AACCCACTTCACCTTCAAGAACCTCCACTTCAGGCTGTTTGACGTCCGGGGCCAGCGATCTGAACGCAAG
AAGTGGATCCACTGCTTTGAGGATGTCACGGCCATCATCTTCTGTGTGCGACTCAGCGGCTATGACCAGG
TGCTCCACGAGGACGAAACCACGAACCGCATGCACGAATCCCTGAAGCTCTTCGACAGCATCTGCAACAA
CAAGTGGTTCACAGACACATCTATTATCTGTTTCTCAACAAGAAGGACATATTTGAGGAGAAGATCAAG
AAGTCCCCTCACCATCTGCTTTCCTGAATACACAGGCCCCAGTGCCTTCACAGAAGCTGTGGCTCACA
TCCAAGGGCAGTATGAGAGTAAGAATAAGTCAGCTCACAAAGGAAGTCTACAGCCATGTCACCTGTGCCAC
GGACACCAACAACATCCAATTCGCTTTGATGCCGTGACAGATGTCATCATCGCCAAAAACCTACGGGGC
TGTGGACTCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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ACCN:	NM_001113384
Insert Size:	1065 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_001113384.1 , NP_001106855.1
RefSeq Size:	6022 bp
RefSeq ORF:	1065 bp
Locus ID:	14681
UniProt ID:	P18872
Cytogenetics:	8 45.94 cM
Gene Summary:	<p>Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Stimulated by RGS14. The G(o) protein function is not clear.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (b) includes alternate exons in the 3' coding region, compared to variant a, resulting in isoform b (also known as G0B-alpha) that has a distinct C-terminus, compared to isoform a. 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 and orthologous data.</p>