

Product datasheet for **RN216702**

Gnal (NM_001191836) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnal (NM_001191836) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gnal
Synonyms:	Golf; Olf; RGD1305940
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216702 representing NM_001191836
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCTGTGCTACAGCCTACGGCCGCTGCTCTTCGGGAGCTCGGGGACGCCCCCTGTGAGGACTCTG
 AGCCGTGCGCTGAGGATGCTCAGCCAGCGCCGCCGGGCCCGGCCCGCCGATCCCAGCCCGGC
 TCCGGTGGGGACCCTGCTCCGGCGAGGCGACGGCCGGATCCCGCAAGCGGAGGTCGCCAGTCGAGCTG
 CAGAACC GCCGGCGACAGGAGCAGCTGCGAGCCGAGGAGCGGAGGCAGCTAAGGAGGCGAGGAAAGTAA
 GCCGGGTATCGACCGCATGCTGCGGAACAGAAGCGCGACCTGCAGCAGACGCCGGCTCCTGCTCTT
 GGGGGCTGGTGGTCCGGGAAAAGCACTATAGTCAAACAGATGAGGATCCTACACGTCAATGGCTTCAAC
 CCCGAGGAAAAGAAGCAGAAAATCTGGACATCAGGAAAATGTCAAAGATGCTATTGTGACAATCGTTT
 CAGCAATGAGTACCATAATACCTCCAGTCCACTGGCCAAACCCTGAGAACCAGTTTCGGTCAGATTACAT
 CAAGAGCATAGCCCTATCACTGACTTTGAATATCCAGGAGTCTTTGACCACGTGAAGAAGCTGTGG
 GATGATGAGGGAGTGAAGGCCTGCTTTGAGAGATCCAACGAGTACCAGCTGATCGACTGTGCACAATACT
 TCTGGAAGGATTGACAGCGTGAGTCTGGTTGACTACACACCCACAGACCAGGACCTACTCAGATGCAG
 AGTGCTGACATCAGGGATCTTTGAGACAGATTCCAAGTGGACAAAGTGAACCTTTCACATGTTTGACGTT
 GGAGGCCAGAGGGATGAGAGAAGAAAATGGATCCAGTGTTTTAAACGATGTCACTGCCATCATCTATGTGG
 CAGCCTGCAGCAGCTACAACATGGTGATCCGGGAAGATAACAACACCAACAGACTCCGGGAGTCGCTGGA
 CCTGTTTGAAGCATCTGGAATAACAGGTGGTTACGAACCATTTCCATCATCCTGTTCTTGAACAAACAA
 GATATGCTGGCAGAAAAGTCTTGGCAGGAAGTCAAAAATTGAAGACTATTTCCGGAGTATGCCAACT
 ATACTGTCCTGAAGATGCAACACCAGATGCAGGAGAAGATCCCAAAGTTACAAGAGCCAAGTTCTTTAT
 CCGGGATCTGTTCTTGGAGATCAGCACAGCCACGGGTGATGGCAAACATTAAGTACTGCTACCCTCACTTACC
 TGCGCCGTGGACACAGAGAACATCCGCAGAGTGTCAACGATTGTCGTGACATATCCAGAGAATGCACC
 TCAAGCAGTACGAACTCTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001191836
Insert Size: 1353 bp

OTI Disclaimer: 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.

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.

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_001191836.2</u> , <u>NP_001178765.1</u>
RefSeq Size:	3030 bp
RefSeq ORF:	1353 bp
Locus ID:	24611
UniProt ID:	<u>P38406</u>
Cytogenetics:	18q12.1
Gene Summary:	alpha subunit of GTP-binding protein, first identified in the olfactory system; implicated in the signal transduction for odorant and visual stimuli and for one or more hormones/neurotransmitters [RGD, Feb 2006]