

Product datasheet for **MC215899**

Gnal (NM_177137) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnal (NM_177137) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnal
Synonyms:	2610011C15Rik; 9630020G10Rik; Galphaolf; Gna10; Golf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215899 representing NM_177137
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCTATGCTACAGCCTGCGGCCGCTGCTCTTCGGGAGCCCAGAGGACACCCCGTGTGCGGCCCTCGG
 AACCCCTGCGCAGAGGATGCTCAGCCCAGCGCCGCCCGGCCCTGCCTCGATCCCAGCCCCGGCTCCCGT
 AGGGACCCCTGCTCCGGCGTGGCGCGGCCGGATCGTCGCGAACGCGCGGCCGCCAGGCGAGCTGCAGAGC
 CGCCGGCGACAGGAGCAGCTACGAGCCGAGGAGCGCGAGGCGGCTAAAGAGGCGAGGAAAGTCAGCCGGG
 GCATCGACCCGATGCTGCGCGAGCAGAAGCGGGACCTGCAGCAGACGCCGGCTCCTGCTGCTGGGGGC
 TGGTGAGTCCGGGAAAAGCACTATCGTCAAACAGATGAGGATCCTGCACGTCAATGGCTTCAACCCCGAG
 GAAAAGAAGCAGAAAATCTGGACATCAGGAAAATGTCAAAGATGCGATCGTGACAATCGTTTCAGCAA
 TGAGTACTATCATACCTCCAGTTCCTACTGGCCAACCCCTGAGAACCAGTTCGGTCCAGATTATCAAGAG
 CATAGCCCTATCACTGACTTTGAATATCCCAGGAGTCTTTGACCATGTGAAGAAGCTGTGGGACGAT
 GAAGGAGTGAAGGCTGCTTTGAGAGATCCAACGAGTACCAGCTGATCGACTGTGCACAATACTTCTCTGG
 AAAGGATTGACAGTGTGAGTCTGGTTGACTACACCCACAGACCAGGACCTGCTCAGATGCAGAGTGTCT
 GACATCAGGAATCTTTGAGACACGATTCCAAGTGGACAAAGTGAACCTTTCACATGTTTATGTTGGAGGC
 CAGAGAGATGAGAGAAGAAAATGGATCCAGTGTTTAATGATGCTACTGCGATCATTTACGTGGCGGCCCT
 GTAGTAGCTACAACATGGTGATCCGGGAAGATAACAATACCAACAGACTTCGGGAATCACTGGACCTGTT
 TGAAAGCATCTGGAATAACAGGTGGTTGCGAACCATTTCTATCATCCTATTCTTGAACAAACAAGACATG
 CTGGCAGAAAAAGTCTTGGCAGGGAAGTCAAAAATCGAAGACTATTTCCGGGAGTATGCCAATTACTG
 TCTGTTCTTGAGGATCAGCACAGCCACGGGTGATGGCAAACATTACTGCTACCCTCACTTACCTGCGCC
 GTGGACACAGAGAACATCCGAGAGTGTCAACGATTGCCGTGACATCATCCAGAGAATGCATCTCAAGC
 AGTACGAACTCTT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177137

Insert Size: 1347 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_177137.5](#), [NP_796111.2](#)

RefSeq Size: 5654 bp

RefSeq ORF: 1347 bp

Locus ID: 14680

Cytogenetics: 18 39.85 cM

Gene Summary: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. G(olf) alpha mediates signal transduction within the olfactory neuroepithelium and the basal ganglia. May be involved in some aspect of visual transduction, and in mediating the effect of one or more hormones/neurotransmitters (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2). 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.