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Product datasheet for MC207288

Gnai2 (NM_008138) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnai2 (NM_008138) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnai2
Synonyms:	C76432; Galphai2; Gia; Gnai-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207288 representing NM_008138 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCTGCACCGTGAGCGCCGAGGACAAGGCGGCAGCCGAGCGCTCTAAAATGATCGACAAGAACCTGC GGGAGGACGGCGAGAAGGCGGCGCGGGAGGTGAAGTTGCTTCTGTTAGGTGCTGGAGAGTCAGGGAAGAG CACCATCGTCAAGCAGATGAAGATCATCCATGAAGATGGCTACTCAGAAGAGGAGTGCCGGCAGTACCGT GCCGTGGTCTACAGCAACACCATCCAGTCTATCATGGCCATCGTGAAGGCCATGGGCAACCTGCAGATCG ACTTTGCTGATCCCCAGCGTGCGGATGATGCCAGGCAGCTGTTCGCCCTGTCCTGTGCTGCAGAGGAACA AGGGATGCTTCCTGAAGACCTGTCCGGTGTCATCCGGAGGCTCTGGGCTGACCACGGTGTGCAAGCCTGC TTTGGCCGCTCACGAGAATACCAGCTCAATGACTCAGCCGCTTACTACCTGAATGATCTGGAGCGCATTG CACAGAGTGACTACATCCCTACACAGCAGGATGTGCTGCGGACCCGTGTGAAGACCACGGGCATCGTGGA AACACACTTCACCTTCAAGGACTTACACTTCAAGATGTTTGATGTGGGTGGTCAGCGGTCTGAGCGCAAG AAGTGGATCCACTGCTTTGAGGGCGTCACGGCCATCATCTTCTGTGTCGCCTTGAGCGCTTATGACTTGG TGCTGGCTGAGGATGAGGAGATGAACCGCATGCATGAGAGCATGAAGCTGTTTGACAGCATCTGCAACAA CAAGTGGTTCACAGACACCTCCATCATCCTCTTCCTCAACAAGAAGGACCTGTTTGAAGAAAAGATCACA CAGAGCTCCCTGACCATCTGTTTCCCTGAGTACACGGGGGCCAACAAGTACGACGAGGCAGCCAGCTACA TCCAGAGCAAGTTTGAGGATCTAAATAAGCGCAAAGACACCAAGGAGATCTACACGCACTTCACGTGCGC CACCGACACCAAGAACGTGCAGTTTGTGTTCGATGCCGTCACTGACGTCATCATCAAGAACAACCTGAAG GACTGTGGCCTCTTCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_008138

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Insert Size:	1068 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_008138.4, NP_032164.2
RefSeq Size:	2177 bp
RefSeq ORF:	1068 bp
Locus ID:	14678
UniProt ID:	P08752
Cytogenetics:	9 58.43 cM
Gene Summary:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. May play a role in cell division.[UniProtKB/Swiss-Prot Function]