

Product datasheet for **MC207290**

Gnaq (NM_008139) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gnaq (NM_008139) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gnaq
Synonyms: 1110005L02Rik; 6230401I02Rik; AA408290; AW060788; Dsk1; Dsk10; Galphaq; Gq; Gql
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207290 representing NM_008139
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCTGGAGTCCATCATGGCGTGCCTGAGCGAGGAGGCCAAGGAAGCCCGGAGGATCAACGACG
AGATCGAGCGGCAGCTGCGCAGGGACAAGCGCGACGCCCGGGAGCTCAAGCTGCTGCTGCTGGGAC
AGGGGAGAGTGGCAAGAGCACCTTCATCAAGCAGATGAGGATCATCCACGGGTCGGGCTACTCTGACGAA
GACAAGCGCGGCTTACCAAGCTGGTGTATCAGAACATCTTACGCGCCATGCAGGCCATGATCAGAGCGA
TGGACACGCTCAAGATCCCATACAAGTATGAACACAATAAGGCTCATGCACAATTGGTTCGAGAGGTTGA
TGTGGAGAAGGTGTCTGCTTTTGAAGTCCATATGTAGATGCAATAAAGAGCTTGTGGAATGATCCTGGA
ATCCAGGAGTGTACGACAGACGACGGGAATATCAGTTATCTGACTCTACCAAATACTATCTGAATGACT
TGGACCGTGTAGCCGACCCTTCTATCTGCCTACACAACAAGACGTGCTTAGAGTTCGAGTCCCCACTAC
AGGGATCATCGAATACCCCTTTGACTTACAAAGTGTCAATTTTTCAGAAATGGTTCGATGTAGGGGGCCAAAGG
TCAGAGAGAAGAAAATGGATACACTGCTTTGAAAATGTCACCTCCATCATGTTTCTAGTAGCGCTTAGCC
AATATGATCAAGTCTTGTGGAGTCAGACAATGGAACCGCATGGAGGAGAGCAAAGCACTTTTGAAC
AATTATCACCTACCCCTGGTTCCAGAACTCCTCTGTGATTCTGTTCTTAAACAAGAAAGATCTTCTAGAG
GAGAAAATCATGTATTCCACCTAGTCGACTACTTCCCAGAATATGATGGACCCAGAGAGATGCCCAGG
CAGCTCGAGAATTCATCCTGAAAATGTTTCGTGGACCTGAACCCCGACAGTGACAAAATCATCTACTCCCA
CTTCACGTGCGCCACAGATACCGAGAACATCCGCTTCGCTTTGCAGCCGTC AAGGACACCATCTCGAC
CTGAACCTGAAGGAGTACAATCTGGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008139



Insert Size:	1080 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:	<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_008139.5 , NP_032165.3
RefSeq Size:	5634 bp
RefSeq ORF:	1080 bp
Locus ID:	14682
UniProt ID:	P21279
Cytogenetics:	19 11.01 cM
Gene Summary:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Regulates B-cell selection and survival and is required to prevent B-cell-dependent autoimmunity. Regulates chemotaxis of BM-derived neutrophils and dendritic cells (in vitro).[UniProtKB/Swiss-Prot Function]