

## Product datasheet for **MC205405**

### Gnaz (NM\_010311) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnaz (NM_010311) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnaz
Synonyms:	A1847979; Gz
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC014702  
 CTTAGAAACATCGCCACAGCAACCAGCGAGCAGACAGCAGTAGCCTGGGCAGACGCAAGCGGACAGCTTC  
 CTACCGTGGCAGAGTACAGGGAATGACTACGGCAAATCAGGCCACACTGCTGACAAGGGAGGTGGAGTGT  
 CACTAGAGGGGAGGGTGTGGTCTCTGCCCCACTGCACCAAGCGCCATGCCACAGGAGAAGCGGTACTGG  
 GGCAGGGATTGCTCTGTGACACAGCCTCGCCCCAAAGCCAGTGTGAGCAGCGCCGGGTGAGTGCCTCT  
 CTCATCTGCCCCACACCAGCCACGTTTGGCATCCCTCGTTGTGACCATTCTGTTTGGCGAGGGGA  
 GAGGCGCCACCCTGTGTTCTGCATCTGGGGGTGGCCCGTGTGCCGACCATGGGATGTCGGCAAAG  
 CTCAGAGGAAAAAGAGGAGCGAGGCGGTCCCGGAGAATTGACCGCCACCTGCGCTCCGAAAGCCAGCGG  
 CAGCGCCGTGAAATCAAACCTTCTCCTGCTGGGCACCAGCAACTCGGGCAAGAGCACCATCGTCAAGCAGA  
 TGAAGATCATCCACAGCGGGGGTCAACCTGGACGCCTGCAAGGAGTACAAGCCCTCATCATCTACAA  
 CGCCATCGACTCGCTGACCCGGATCATCCGGGCCCTGGCTGCCCTCAAGATCGATTTCCACAACCCTGAC  
 CGTGCCTACGACGCTGTGACGCTCTTGTCTGACTGGCCAGCAGAGAGCAAGGGTGTGATTACACCTG  
 AGCTGCTGGGTGTATGCGACGGCTCTGGGCTGACCCAGGGGCCAGGCCTGCTTGGCCGCTTAGCGA  
 GTACCACCTGGAGACAATGCAGCCTACTACCTGAACGACCTGGAGCGCATCGCAGCGCCGACTACATC  
 CCCACGGTGGAGGATATCCTACGCTCCCGGACATGACCACGGGCATTGTGGAGAACAAGTTCACCTTCA  
 AGGAGCTTACCTCAAGATGGTGGACGTGGGCGGCAGAGGTGAGAACGCAAAAAGTGGATCCATTGCTT  
 TGAAGGCGTCACAGCCATCATTTCTGTGTGGAGCTCAGTGGCTATGACCTGAAGCTCTATGAGGACAAC  
 CAGACGAGCCGGATGGCGGAGAGCTGCGCCTCTTTGACTCCATCTGCAACAACAACTGGTTCATCAACA  
 CCTCGCTCATCTCTTCTGAACAAGAAGGACCTCCTGGCAGAGAAGATCCGGCGTATCCCGCTCAGCGT  
 CTGCTTCCAGAGTACAAGGGTCAAGACACGTACGAGGAAGCCGGGTCTACATCCAACGTCAGTTTCGAG  
 GACCTCAACCGCAACAAGGAGACCAAGGAGATCTATTCGCACTTCACTTGTGCCACCGACACCAGTAACA  
 TCCAGTTTGTGTTTGGACGAGTACAGATGTATCATAACAGCAATCTCAAGTACATCGGCCTTTGCTG  
 AGGAGCCGGGCGCAGCCTGCTCGCCTGTGGTGAACCCATGGGGTGTACACCCACACCCTATGTCGA  
 GAGGCCCGACCCAGGGGAGAAAACGGGGCTTGAAGAGTGTGTCCCATCCCACCCAGCCTCTGCCTT  
 CTTGGCCCCACATCTCTGCAACATAAATATATTTGGATAGATTGCTAGGTAGGTAGACACACAGACACA  
 CACACAGACACACACACACAGACACACGACGACGACGACATCTGGAGAGGGCATAAGTTCTCCAGAGCG  
 TCAAGGTTTCTGAAGTTTTCAAAGCTGCTGTCACAATTTCAATCCGAGGCCATCTTGGCCCTCCCCCT  
 TCACTCTGCCTTCTGAGTTGGCCCCACTGACGCGGAGGGAGGGCCACCTTAGACTGCTGGGGAGAG  
 GCCACAGGGCTGGGGCCAGGTCCGGCCAGCTGTGCCATCGCCTGGGAGAAGGCCAGCTACCAACTGA  
 GCTCTGGACTGGGACTACCGCTGACCAGGAGGAAGCCTGGAGCCGACCCGACTCAGCCACTCTGCGT  
 CACATTGCTCCTGTACCTAGGACCGGAGAAAGACGTGACTGCTCTAACCGGACCTGACTACCGGTGG  
 CTTTTACAAAAAAAACAGCTAAAACGTACTCCGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_010311
- 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:** [BC014702](#), [AAH14702](#)

**RefSeq Size:** 2182 bp

**RefSeq ORF:** 1068 bp

**Locus ID:** 14687

**UniProt ID:** [O70443](#)

**Cytogenetics:** 10 38.48 cM

**Gene Summary:** Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.[UniProtKB/Swiss-Prot Function]