

## Product datasheet for MC204625

### Gnb2 (NM\_010312) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnb2 (NM_010312) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnb2
Synonyms:	Gnb-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC059942  
GACCCACGCGTCCGCCACGCGTCCGGCGTCGCCGCCGCTGCCGCCTCCGCCGGGAGGAAGACAGGACC  
TCCCGCGCTCCTCCAAGCGACCCCTTGGCAGAGTCCCACCACCTCAGGCCTCGGGCCAGCGCCAGGAGC  
TGCTCCCCAGCCCCGTCCCGCGGCCCCAGCCGCCCAACCCGCCACGGGCCCGCGCCATGA  
GTGAGCTGGAGCAACTGAGACAGGAGGCGAGCAGCTCCGGAACAGATCCGGGACGCCAGAAAAGCATG  
CGGGGATTCCACACTGACCCAGATCACAGCTGGGCTGGACCCAGTGGGGCGAATTCAGATGAGAACCGG  
AGGACCCCTCCGTGGACACCTGGCAAAAATCTATGCCATGCACTGGGGGACAGACTCAAGGCTGCTGGTCA  
GCGCCTCCAGGACGAAAGCTCATCATTTGGGACAGCTACACCACTAACAAGGTCCAGCCATCCCTCT  
GCGTTCCTCCTGGGTGATGACCTGTGCCTACGCCCTCAGGGAACCTTTGTGGCCTGTGGGGTTTGGAC  
AACATCTGCTCCATCTATAGTCTCAAGACCCGAGAGGGCAATGTCAGGGTCAGCAGAGAGCTGCCTGGCC  
ACACTGGGTACCTGTGCTGCTGCCGCTTCCCTGGACGACAACCAATCATCACCAGCTCTGGGGACACCAC  
CTGTGCCCTGTGGGACATTGAGACAGGCCAGCAGACGGTGGGGTTTGTGGACACAGTGGGGATGTGATG  
TCCTGTCACTGGCCCCGATGGCCGCACCTTTGTGTCAGGTGCCTGTGACGCCTCCATCAAGCTGTGGG  
ATGTTCCGGGATCCATGTGCCGACAGACATTCATAGGTACGAGTCGGACATCAATGCCGTGGCTTTCTT  
CCCCAATGGCTATGCCTTACCACGGGATCAGATGACGCCACTTGTCCCTCTTTGACCTGCGGGCTGAT  
CAGGAGCTGCTCATGTATTCCCACGACAACATCATCTGCGGCATCACCTCGGTTGCCTTCTCGCGCAGCG  
GCCGGCTGCTGCTCGCTGGCTACGACGACTTCAACTGCAACATCTGGGATGCCATGAAGGGTGACCGTGC  
AGGTGCTCCTCGCTGGCCATGATAACCGTGTGAGCTGCCTTGGGGTACAGATGATGGAATGGCCGTGGCT  
ACAGGCTCCTGGGACTCCTTCCCTAAGATCTGGAACCTAACCTCCCAACCCAGATGGGCCAGGCAGGG  
AGCAGCCCTGCCATGCCACACTACAGGCCCGAGCTTTGGGGCTGGGTACATGTGCCAAGCCTCCCTC  
CCTGGGCTACAGGGCCTCCGGTCTGCTCCCATACCCAGGTTTGGTTCTCTAGGGGGGGCCCCCACTG  
TGGAGATAAAAAGTCGGGGATGGAATGGGGGAAGAGGAAGGGCAGGAAAGCCCTCACCTTTGCTGCCCTG  
GGGCCATGGCCTCACCCCTCTGGAGGGCCAGAGGCAGGAGGTGGAACCTCCAGGGGCTGGCTTTTTTAAC  
TGGTTTTATTTAATTTTATTATTTTTCAGTTTTTCCATAAAGGAACCACTTCCAACCTGAAAAAAA AAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_010312
<b>Insert Size:</b>	1023 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC059942</a> , <a href="#">AAH59942</a>
<b>RefSeq Size:</b>	1619 bp
<b>RefSeq ORF:</b>	1023 bp
<b>Locus ID:</b>	14693
<b>UniProt ID:</b>	<a href="#">P62880</a>
<b>Cytogenetics:</b>	5 76.54 cM
<b>Gene Summary:</b>	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. [UniProtKB/Swiss-Prot Function]