

## Product datasheet for RN213057

### Gnb2 (NM\_031037) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnb2 (NM_031037) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gnb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213057 representing NM_031037 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGTGAGCTGGAGCAACTGAGACAGGAGGCTGAGCAGCTCCGGAACCAGATCCGGGACGCCAGAAAAG  
CATGCGGGGATCCACACTGACCCAGATCACAGCTGGGCTGGACCCAGTGGGGCGAATTCAGATGAGAAC  
ACGGAGGACCCTCCGTGGACACCTGGCAAAAATCTATGCCATGCCTGGGGACAGACTCAAGGCTGCTG  
GTCAGCGCCTCCAGGACGGAAAGCTCATCATTGGGACAGCTACACCACTAACAAGGTCCACGCCATCC  
CTCTGCGCTCCTCTGGGTCATGACCTGTGCCTACGCCCCCTCGGGAACTTCGTGGCCTGTGGGGTTT  
GGACAACATCTGCTCCATCTATAGTCTCAAGACCCGAGAGGGCAATGTCAGGGTCAGCAGAGAGCTGCCT  
GGCCATACTGGGTACCTCTCCTGCTGCCCTTCTGGACGACAACCAAATCATCACCAGCTCTGGGGACA  
CCACCTGTGCCCTGTGGACATTGAGACAGGCCAGCAGACAGTGGGATTTGCTGGACACAGTGGGATGT  
GATGTCCCTGTCCCTGGCCCCGATGGCCGCACCTTTGTGTCAGGTGCCTGCGATGCCTCCATCAAGCTG  
TGGGATGTTCCGGATTCCATGTGCCGACAGACATTCATAGGTACGAATCGGACATCAATGCTGTGGCTT  
TCTTCCCAATGGTTATGCCTTACCACGGGATCAGATGATGCCACATGTCGCCTGTTTGACCTGCGGGC  
TGATCAGGAGCTGCTCATGTATCCACGACAACATCATCTGCGGCATCACCTCGGTTGCCTTCTCACGC  
AGCGGCCGGCTGCTGCTCGCTGGCTATGACGACTTCAACTGCAACATCTGGGATGCCATGAAGGGTGACC  
GTGAGGTGTCCTCGCTGGCCATGATAACCGTGTGAGCTGCCTTGGGGTCACAGATGATGGGATGGCTGT  
GGCTACAGGCTCCTGGGACTCCTTCTCAAGATCTGGAAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031037
Insert Size:	1023 bp



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<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="#">NM_031037.2</a> , <a href="#">NP_112299.1</a>
<b>RefSeq Size:</b>	1670 bp
<b>RefSeq ORF:</b>	1023 bp
<b>Locus ID:</b>	81667
<b>UniProt ID:</b>	<a href="#">P54313</a>
<b>Cytogenetics:</b>	12q12
<b>Gene Summary:</b>	modulates calcium channel activity [RGD, Feb 2006]