

## Product datasheet for **RN211747**

### Gnb1 (NM\_030987) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gnb1 (NM_030987) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gnb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211747 representing NM_030987 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTGAACCTTGACCAGCTGCGGCAGGAGGCCGAGCAACTGAAGAACCAATTAGAGATGCCCGTAAAG  
CATGTGCAGATGCGACTCTTTCTCAGATCACAACAACATTGATCCAGTGGGAAGAATCCAATGCGAAC  
CAGGAGAACACTGAGGGGCATCTGGCAAAGATTTATGCCATGCACTGGGGCACAGACTCAAGGCTCCTT  
GTCAGCGCCTCTCAGGATGGGAAACTCATCATCTGGGACAGCTATACCACAACAAGTTTCATGCCATCC  
CTCTGCGCTCCTCTGGGTCATGACCTGTGCATACGCTCCTTCTGGGAATTATGTGGCCTGTGGTGGCT  
GGATAACATCTGCTCCATTTACAATCTGAAAACCTCGTGAAGGAAATGTGCGTGTGAGTCGTGAGCTGGCA  
GGACATACAGGTTATCTATCCTGTTGCCGGTTCCTGGATGACAATCAGATAGTTACCAGTTCTGGAGACA  
CCACATGTGCCCTGTGGGACATCGAGACCGCCAGCAGACAACCACGTTTACTGGACACACTGGAGATGT  
CATGAGCCTGTCTCTTGCTCCTGACACCAGACTGTTTGTCTCTGGTGCTTGGATGCTTCGGCCAAGCTC  
TGGGATGTCCGAGAAGGGATGTGCCGGCAGACCTTTACAGGACACGAGTCTGACATCAATGCCATATGTT  
TCTTTCCAATGGCAATGCCTTTGCCACTGGCTCAGACGATGCTACATGCAGGCTGTTTGACCTTCGTGC  
AGACCAGGAGCTCATGACCTACTCCCATGACAACATTATCTGTGGTATCAGATCTGTTTCTTCTCCAAG  
AGTGGCCGCTCCTCCTCGCTGGCTATGACGACTTCAACTGTAATGTCTGGGATGCACTCAAAGCTGACA  
GAGCAGGTGTCCTAGCTGGACATGACAACCGAGTCAGCTGCTTGGGGTGACTGATGATGGCATGGCTGT  
GGCAACAGGATCCTGGGACAGCTTCTCAAGATCTGGAAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_030987
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_030987.2</a> , <a href="#">NP_112249.2</a>
<b>RefSeq Size:</b>	1544 bp
<b>RefSeq ORF:</b>	1023 bp
<b>Locus ID:</b>	24400
<b>UniProt ID:</b>	<a href="#">P54311</a>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	component of heterotrimeric G-proteins; mediates activity of effector molecules and contributes to the specificity of G-protein-receptor interaction; mat confer preferential receptor specificity to the voltage-sensitive calcium channel [RGD, Jun 2006]