

Product datasheet for **RN203357**

Gnb4 (NM_001013910) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gnb4 (NM_001013910) Rat Untagged Clone
Tag: Tag Free
Symbol: Gnb4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203357 representing NM_001013910
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGTGAGCTGGAGCAGCTGAGGCAGGAGGCTGAACAGCTCCGGAATCAGATCCAGGATGCTCGGAAGG
CCTGCAACGATGCCACACTGGTTCAGATCACGTCTAATATGGACTCCGTGGGCCGAATACAAATGCGAAC
AAGGCGCACGCTGCGCGCCACCTCGCCAAGATCTACGCCATGCCTGGGATACGATTCAGGCTACTA
GTCAGTGCTTCCAAGATGGAAAATTAATTATTTGGGATAGCTATACAACAAATAAGATGCACGCCATCC
CGCTGAGGTCCTCTGGGTCATGACCTGTGCCTATGCCCGTCTGGGAACACGTAGCCTGTGGAGGCTT
GGACAACATCTGCTCCATATAACAACCTGAAGACTCGTGAGGGGAACGTGAGAGTGAGCCGGGAGCTGCCA
GGGCACACAGGCTACTTGTCTGCTGCCGATTCTTAGATGACGGACAAATCATTACAAGTTCTGGAGACA
CGACTTGTGCTTTGTGGACATCGAGACCGGACAGCAGACGACCACCTTCACAGGACACTCGGGGACGT
GATGAGCCTCTCACTGAGTCCTGACTTGAAGACCTTTGTTCTGGTGCTTGGATGCATCTTCAAACCTG
TGGGATATCCGAGACGGGATGTGTAGACAGTCTTTCACAGGACACATCTCAGACATCAATGCTGTCAGCT
TCTTCCCGAGTGGATATGCCTTTGCCACTGGTTCTGATGACGCCACCTGCCGACTCTTTGACCTCCGTGC
AGACCAGGAGCTCCTGCTGATTCCCATGACAATATCATCTGTGGCATCACTTCTGTGGCCTTCTCAAAG
AGCGGGCCCTCCTGCTAGCCGGCTATGACGACTTCAACTGCAAGTGTGTGGGACGCTCTGAAAGGAGGTC
GGGCAGGTGTCCTTGCTGGTCATGACAACCGTGTAGCTGCTTAGGTGTGACTGATGACGGCATGGCTGT
GGCCACTGGCTCCTGGGACAGTTTTCTCAGAATCTGGAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013910
Insert Size: 1023 bp



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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:	<u>NM_001013910.2</u> , <u>NP_001013932.1</u>
RefSeq Size:	1516 bp
RefSeq ORF:	1023 bp
Locus ID:	294962
UniProt ID:	<u>O35353</u>
Cytogenetics:	2q24
Gene Summary:	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]