

Product datasheet for **SC106143**

GNB5 (BC011671) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNB5 (BC011671) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNB5
Synonyms:	FLJ37457; FLJ43714; GB5; G protein, beta-5 subunit; G protein, beta subunit 5L; guanine nucleotide-binding protein, beta-5 subunit; guanine nucleotide-binding protein, beta subunit 5L; guanine nucleotide binding protein (G protein); transducin beta chain 5
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC011671, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAACCGAGGGGCTGCACGAGAACGAGACGCTGGCGTCGCTGAAGAGCGAGGCCGAGAGCCTCAAGG
GCAAGCTGGAGGAGGAGCGAGCCAAGCTGCACGATGTGGAGCTGCACCAGGTGGCGGAGCGGGTGGAGGC
CCTGGGGCAGTTTGTTCATGAAGACCAGAAGGACCCTCAAAGGCCACGGGAACAAAGTCTGTGCATGGAC
TGGTGCAAAGATAAGAGGAGGATCGTGAGCTCGTCACAGGATGGGAAGGTGATCGTGTGGGATTCCTTCA
CCACAAACAAGGTGAGGCATTGTTCCCAGCCACGTTATAGAGGCTTCAGAATCCCAGCCTACTTAAAGGT
GCTCTGGTCCAGCTGCCCGCCCTGTCTGA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC011671 unedited GCATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCAGCAGGCTCAGCGCAT TCCCGCTCTCCGTTCCCTCTCCGCTGCGTCCCGCGCGAAGATGGCAACCGAGGGGCTG CACGAGAACGAGACGCTGGCGTCGCTGAAGAGCGAGGCCGAGAGCCTCAAGGGCAAGCTG GAGGAGGAGCGAGCCAAGCTGCACGATGTGGAGCTGCACCAGGTGGCGGAGCGGGTGGAG GCCCTGGGGCAGTTTGTATGAAGACCAGAAGGACCCTCAAAGGCCACGGGAACAAGTC CTGTGCATGGACTGGTGCAAAGATAAGAGGAGGATCGTGAGCTCGTCACAGGATGGGAAG GTGATCGTGTGGATTCCCTTACCACAAAACAAGGAGCACGCGGTACCATGCCCTGCACG TGGGTGATGGCATGTGCTTATGCCCATCGGGATGTGCCATTGCTTGTGGTGGTTTGGAT AATAAGTGTCTGTGTACCCCTTGACGTTTGACAAAAATGAAAACATGGCTGCCAAAAAG AAGTCTGTTGCTATGCACACCAACTACCTGTCCGCTGCAGCTTACCAACTCTGACATG CAGATCCTGACAGCGAGCGGCGATGGCAGATGTGCCCTGTGGACGTGGAGAGCGGGCAG CTGCTGCAGAGCTTCCACGGACATGGGGCTGACGTCTCTGCTTGGACCTGGCCCCCTCA GAAACTGAAAACACCTTCGTGTCTGGGGATGTACAAGAAGCCATGGTGTGGGACATGC GCTCGGCCAGTGGTGCAGGCCCTTGAACACATGAATCTGACTCAACAGTGTCCCGTACT ACCCAGTGGAGATGCCTTTGCTTAGGNTCAGAGACGCTACGTGTGCGCTCTATGACTGC GGCAGAAAAGNAGGTGCCATCTATTCAAGAAAGCATCTATTTGAGCTNCAGCGTGACCTN CCTCATGGCGNCTGCTGNTGCTGATCATGATAACTAA
Restriction Sites:	NotI-NotI
ACCN:	BC011671
Insert Size:	3000 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:	<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>BC011671.1, AAH11671.1</u>
RefSeq Size:	943 bp
RefSeq ORF:	381 bp
Locus ID:	10681
Cytogenetics:	15q21.2
Domains:	WD40
Protein Families:	Druggable Genome

Protein Pathways: Chemokine signaling pathway

Gene Summary: Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. Alternatively spliced transcript variants encoding different isoforms exist. [provided by RefSeq, Jul 2008]