

Product datasheet for **SC321446**

GNB5 (NM_006578) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNB5 (NM_006578) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNB5
Synonyms:	GB5; gbeta5; IDDCA; LADCI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006578.3
 GGGACGGCTGCTGGAGCGGCCCGCCCGCGGCTCAGCGCATTCCCCTCTCCGCTTCCCT
 CTCCGCTGCGTCCCCGCGCAAGATGGCAACCGAGGGGCTGCACGAGAACGAGACGCTGG
 CGTCGCTGAAGAGCGAGGCCGAGAGCCTCAAGGGCAAGCTGGAGGAGGAGCGAGCCAAGC
 TGCACGATGTGGAGCTGCACCAGGTGGCGGAGCGGGTGGAGGCCCTGGGGCAGTTTGTCA
 AAGATAAGAGGAGGATCGTGAGCTCGTCAAGGATGGGAAGGTGATCGTGTGGGATTCCT
 TCACCACAAACAAGGAGCACGCGGTACCATGCCCTGCACGTGGGTGATGGCATGTGCTT
 ATGCCCATCGGGATGTGCCATTGCTTGTGGTGGTTTGGATAATAAGTGTCTGTGTACC
 CCTTGACGTTTGACAAAAATGAAAACATGGCTGCCAAAAAGAAGTCTGTTGCTATGCACA
 CCAACTACCTGTGCGCTGCAGCTTACCAACTCTGACATGCAGATCCTGACAGCGAGCG
 GCGATGGCACATGTGCCCTGTGGACGTGGAGAGCGGGCAGCTGCTGCAGAGCTTCCACG
 GACATGGGGCTGACGCTCCTGTGTTGGACCTGGCCCCCTCAGAACTGGAACACCTTCG
 TGTCTGGGGGATGTACAAGAAAGCCATGGTGTGGGACATGCGCTCCGGCCAGTGCCTGC
 AGGCCCTTTGAAACACATGAATCTGACATCAACAGTGTCCGGTACTACCCAGTGGAGATG
 CCTTTGCTTCAGGGTCAGATGACGCTACGTGTCGCCTCTATGACCTGCGGGCAGATAGGG
 AGGTTGCCATCTATTCCAAGAAAGCATCATATTTGGAGCATCCAGCGTGGACTTCTCCC
 TCAGTGGTCGCCTGCTGTTTGGTGGATACAATGATTACACTATCAACGTCTGGGATGTT
 TCAAAGGGTCCCGGGTCTCCATCCTGTTTGGACATGAAAACCGCGTTAGCACTCTACGAG
 TTTCCCCCGATGGGACTGCTTTCTGCTCTGGATCATGGGATCATACCCTCAGAGTCTGGG
 CCTAATCATCTTCTGACAGTGCACCTCATGTATACCTGAGAATTTGAAATCTTACATGTA
 AATAGATATTACTTCTAGAGGAGCTTAGAGTTTATTGCAGTGTAGCTTAGGGGAGCAACC
 CATGGCTCACAGTCACTAAGCGTCTCCAATATGACTATTAATAACTGTCACCTCTGGAAA
 TACACTAGTGTGAGCCTTCAGCACTGCGAGAATACCTTCAAGTACAGTATTTTTCTTTTG
 GAACACTTTTTTAAATGTATCTGTTTTTAAAGTTATTCTAAATTATAGTAGCCTCAACTC
 ATTCTGTCACCAGTAGAATTCAGCAGTTAATATATTCATATTATTTCTTTGAATCAATT
 CATTTTCAGAGCACTTTAAAGTCTGATATTTCTCGATGTGCACTGTGATGCCTGGAACCT
 TCCTCTGGAAGTCTGATTTTATGGACTGAGGACTGGTACTGGTCTGTGATAGAAGCAA
 ATTCCAATTCCAATGTAATTAGACAAAAATCATTTTTTTAGAAATGTGTTTTTATTGTAA
 AAGTATCTTTTTCAGCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006578

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_006578.3 , NP_006569.1
RefSeq Size:	2979 bp
RefSeq ORF:	1062 bp
Locus ID:	10681
UniProt ID:	O14775
Cytogenetics:	15q21.2
Domains:	WD40
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the shorter isoform (a).</p>