

Product datasheet for **SC313286**

GNB5 (NM_016194) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNB5 (NM_016194) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNB5
Synonyms:	GB5; gbeta5; IDDCa; LADCI
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016194, the custom clone sequence may differ by one or more nucleotides ATGTGTGATCAGACCTTTCTCGTTAATGTATTTGGCTCATGTGACAAATGTTTCAAACAA CGAGCTCTGAGACCAGTTTTCAAGAAGTCTCAACAACCTCAGCTACTGTTCAACATGTGCA GAAATTATGGCAACCGAGGGGCTGCACGAGAACGAGACGCTGGCGTCGCTGAAGAGCGAG GCCGAGAGCCTCAAGGGCAAGCTGGAGGAGGAGCGAGCCAAGCTGCACGATGTGGAGCTG CACCAGGTGGCGGAGCGGGTGGAGGCCCTGGGGCAGTTTGTTCATGAAGACCAGAAGGACC CTCAAAGGCCACGGGAACAAAGTCTGTGCATGGACTGGTCAAAGATAAGAGGAGGATC GTGAGCTCGTCACAGGATGGGAAGGTGATCGTGTGGGATTCCCTTACCACAAACAAGGAG CACGCGGTCAACATGCCCTGCACGTGGGTGATGGCATGTGCTTATGCCCATCGGGATGT GCCATTGCTTGTGGTGGTTTGGATAATAAGTGTCTGTGTACCCCTTGACGTTTGACAAA AATGAAAACATGGCTGCCAAAAAGTCTGTTGCTATGCACACCAACTACCTGTCCGGCC TGCAGCTTACCAACTCTGACATGCAGATCCTGACAGCGAGCGGGCATGGCACATGTGCC CTGTGGGACGTGGAGAGCGGGCAGCTGCTGCAGAGCTTCCACGGACATGGGGCTGACGTC CTCTGCTTGGACCTGGCCCCCTCAGAACTGGAAACACCTTCGTGTCTGGGGGATGTGAC AAGAAAGCCATGGTGTGGGACATGCGCTCCGGCCAGTGCCTGCAGGCCTTGAACACAT GAATCTGACATCAACAGTGTCCGGTACTACCCAGTGGAGATGCCTTTGCTTCCAGGGTCA GATGACGCTACGTGTCGCTCTATGACCTGCGGGCAGATAGGGAGTTGCCATCTATTCC AAAGAAAGCATCATATTTGGAGCATCCAGCGTGGACTTCTCCCTCAGTGGTTCGCTGCTG TTTGCTGGATAACAATGATTACACTATCAACGTCTGGGATGTTCTCAAAGGGTCCCGGGTC TCCATCTGTTTGGACATGAAAACCGCTTAGCACTCTACGAGTTTCCCCGATGGGACT GCTTTCTGCTCTGGATCATGGGATCATACCCTCAGAGTCTGGGCC
Restriction Sites:	Please inquire
ACCN:	NM_016194
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).



[View online »](#)

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_016194.3 , NP_057278.2
RefSeq Size:	3084 bp
RefSeq ORF:	1188 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 (2) has two additional exons at its 5' end, but lacks the 5' portion of its third exon, compared to variant 1. It encodes an isoform (b) containing 42 additional amino acids at its N terminus compared to isoform a. This isoform is also referred to as beta subunit 5L.</p>