

Product datasheet for RC228013

GNB3 (NM_002075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNB3 (NM_002075) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GNB3
Synonyms:	CSNB1H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228013 representing NM_002075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGGGAGATGGAGCAACTGCGTCAGGAAGCGGAGCAGCTCAAGAAGCAGATTGCAGATGCCAGGAAAGCCTGTGCTGACGTTACTCTGGCAGAGCTGGTGTCTGGCCTAGAGGTGGTGGGACGAGTCCAGATGCGGACGCGGGGACGTTAAGGGGACACCTGGCCAAGATTTACGCCATGCACTGGGCCACTGATTCTAAGCTGCTGTAAAGTGCCTCGAAGATGGGAAGCTGATCGTGTGGGACAGCTACACCACCAACAAGGTGCACGCCATCCACTGCGCTCCTCTGGGTCATGACCTGTGCCTATGCCCATCAGGGAACTTTGTGGCATGTGGGGGCTGGACAACATGTGTCCATCTACAACCTCAAATCCCGTGAGGGCAATGTCAAGGTCAGCCGGGAGCTTTCTGCTCACACAGGTTATCTCTCTGCTGCCGCTTCTGGATGACAACAATATTGTGACCAGCTCGGGGGACACCACGTGTGCCTTGTGGGACATTGAGACTGGGCAGCAGAAGACTGTATTTGTGGGACACCGGGTACTGCATGAGCCTGGCTGTGTCTCCTGACTTCAATCTTTCATTTTCGGGGCCCTGTGATGCCAGTGCCAAGCTCTGGGATGTGCGAGAGGGGACCTGCCGTCAGACTTTCAGTGGCCACGAGTCGGACATCAACGCCATCTGTTCTTCCCCAATGGAGAGGCCATCTGCACGGGCTCGGATGACGCTTCTGCCGCTTGTGGTGGACCTGCGGGCAGACCAGAGCTGATCTGCTTCTCCACGAGAGCATCATCTGCAGCATCACGTCGGTGGCCTTCTCCCTCAGTGGCCGCTACTATTCGCTGGCTACGACGACTTCAACTGCAATGTCTGGGATCCATGAAGTCTGAGGTGTGGGATCCTCTCTGGCCACGATAACAGGGTGAGCTGCCTGGGAGTCACAGCTGACGGGATGGCTGTGCCACAGGTTCTGGGACAGCTTCTCAAATCTGGAAC

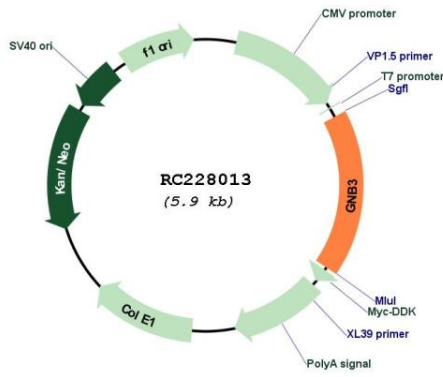
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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_002075.4
RefSeq ORF:	1023 bp
Locus ID:	2784
UniProt ID:	P16520
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome
Protein Pathways:	Chemokine signaling pathway, Taste transduction
MW:	37 kDa
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 which belongs to the WD repeat G protein beta family. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. A single-nucleotide polymorphism (C825T) in this gene is associated with essential hypertension and obesity. This polymorphism is also associated with the occurrence of the splice variant GNB3-s, which appears to have increased activity. GNB3-s is an example of alternative splicing caused by a nucleotide change outside of the splice donor and acceptor sites. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jul 2014]</p>

Product images:



Circular map for RC228013