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Product datasheet for SC206659

GNB3 (NM_002075) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GNB3 (NM_002075) Human 3' UTR Clone
Symbol:	GNB3
Synonyms:	CSNB1H
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002075
Insert Size:	525 bp
Insert Sequence:	>SC206659 3'UTR clone of NM_002075 The sequence shown below is from the reference sequence of NM_002075. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGGGACAGCTTCCTCAAAATCTGGAACTGAGGAGGCTGGAGAAAGGGAAGTGGAAGGCAGTGAACACAC TCAGCAGCCCCCTGCCCGACCCCATCTCATTCAGGTGTTCTCTTCTATATTCCGGGTGCCATTCCCACT AAGCTTTCTCCTTTGAGGGCAGTGGGGAGCATGGGACTGTGCCTTTGGGAGGCAGCATCAGGGACACAG GGGCAAAGAACTGCCCCATCTCCTCCCATGGCCTTCCCTCCCCACAGTCCTCACAGCCTCTCCCTTAAT GAGCAAGGACAACCTGCCCCTCCCCAGCCCTTTGCAGGCCCAGCAGACTTGAGTCTGAGGCCCCAGGCC CTAGGATTCCTCCCCCAGAGCCACTACCTTTGTCCAGGCCTGGGTGGTATAGGGCGTTTGGCCCTGTGA CTATGGCTCTGGCACCACTAGGGTCCTGGCCCTCTTCTTATTCATGCTTTCTCCTTTTTCTACCTTTTT TTCTCTCCTAAGACACCTGCAATAAAGTGTAGCACCCTGGTA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_002075.4

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 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]

Locus ID: 2784

MW: 18.8