

GNB1 cDNA

Catalog Number: ATGD0108

PRODUCT INFORMATION

Catalog number

ATGD0108

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002065.1

Alternative Names

mRNA Refseq

NM_002074.4

OMIM

139380

Chromosome location

1p36.33

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1023bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and

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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. Alternative splicing results in multiple transcript variants.

DATA

Sequence nucleotides

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ATGAGTGAGCTTGACCAGTTACGGCAGGAGGCCGAGCAACTTAAGAACCAGATTCGAGACGCCAGGAAAGCATGTGCAGA
TGCAACTCTCTCTCAGATCACAACAACATCGACCCAGTGGAAGAATCCAAATGCGCACGAGGAGGACACTGCGGGGGCA
CCTGGCCAAGATCTACGCCATGCACTGGGGCACAGACTCCAGGCTTCTCGTCAGTGCCTCGCAGGATGGTAAACTTATCAT
CTGGGACAGCTACACCACCAACAAGGTCCACGCCATCCCTCTGCGCTCCTCCTGGGTCATGACCTGTGCATATGCCCCTTCT
GGAACTATGTGGCCTGCGGTGGCCTGGATAACATTTGCTCCATTTACAATCTGAAAACCTCGTGAGGGGAACGTGCGCGTG
AGTCGTGAGCTGGCAGGACACACAGGTTACCTGTCCTGCTGCCGATTCTGGATGACAATCAGATCGTCACCAGCTCTGGA
GACACCACGTGTGCCCTGTGGGACATCGAGACCGGCCAGCAGACGACCACGTTTACCGGACACACTGGAGATGTCATGAG
CCTTTCTCTTGCTCCTGACACCAGACTGTTTCGTCTCTGGTGCTTGTGATGCTTCAGCCAACTCTGGGATGTGCGAGAAGGC
ATGTGCCGGCAGACCTTCACTGGCCACGAGTCTGACATCAATGCCATTTGCTTCTTTCCAAATGGCAATGCATTTGCCACTG
GCTCAGACGACGCCACCTGCAGGCTGTTTGACCTTCGTGCTGACCAGGAGCTCATGACTTACTCCCATGACAACATCATCTG
CGGGATCACCTCTGTCTCCTTCTCCAAGAGCGGGCGCCTCCTCCTTGCTGGGTACGACGACTTCAACTGCAACGTCTGGGA
TGCACTCAAAGCCGACCGGGCAGGTGTCTTGCTGGGCATGACAACCGCGTCAGCTGCCTGGGCGTGACTGACGATGGCA
TGGCTGTGGCGACAGGGTCCTGGGATAGCTTCCTCAAGATCTGGAATAA
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Transaction Sequence

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MSELDQLRQE AEQLKNQIRD ARKACADATL SQITNNIDPV GRIQMRTRRT LRGLAKIYA MHWGTDSRLL VSASQDGKLI
IWDSYTTNKV HAIPLRSSWV MTCAYAPSGN YVACGGLDNI CSIYNLKTRE GNVRSRELA GHTGYLSCCR FLDDNQIVTS
SGDTTCALWD IETGQQTTTF TGHTGDVMSL SLAPDTRLFV SGACDASAKL WDVREGMCRQ TFTGHESDIN AICFFPNGNA
FATGSDDATC RLFDLRADQE LMTYSHDNII CGITSVSFSK SGRLLLAGYD DFNCNVWDAL KADRAGVLAG HDNRVSCLGV
TDDGMAVATG SWDSFLKIWN
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