

GRAP2 cDNA

Catalog Number: ATGD0005

PRODUCT INFORMATION

Catalog number

ATGD0005

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004801.1

Alternative Names

GADS, GRAP-2, GRB2L, GRBLG, GrbX, Grf40, GRID, GRPL, Mona, P38

mRNA Refseq

NM_004810.3

OMIM

604518

Chromosome location

22q13.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

993bp

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

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GRAP2, also known as GADS, is a member of the GRB2/Sem5/Drk family. This member is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), this protein contains an SH2 domain flanked by two SH3 domains. This protein interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains

DATA

Sequence nucleotides

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ATGGAAGCTG TTGCCAAGTT TGATTTCACT GCTTCAGGTG AGGATGAACT GAGCTTTCAC ACTGGAGATG
TTTTGAAGAT TTTAAGTAAC CAAGAGGAGT GGTTTAAGGC GGAGCTTGGG AGCCAGGAAG GATATGTGCC
CAAGAATTTT ATAGACATCC AGTTTCCCAA ATGGTTTCAC GAAGGCCTCT CTCGACACCA GGCAGAGAAC
TACTCATGG GCAAGGAGGT TGGCTTCTTC ATCATCCGGG CCAGCCAGAG CTCCCAGGG GACTTCTCCA
TCTCTGTCAG GCATGAGGAT GACGTTCAAC ACTTCAAGGT CATGCGAGAC AACAAGGGTA ATTACTTTCT
GTGGACTGAG AAGTTTCCAT CCCTAAATAA GCTGGTAGAC TACTACAGGA CAAATTCCAT CTCCAGACAG
AAGCAGATCT TCCTTAGAGA CAGAACCCGA GAAGACCAGG GTCACCGGGG CAACAGCCTG GACCGGAGGT
CCCAGGGAGG CCCACACCTC AGTGGGGCTG TGGGAGAAGA AATCCGACCT TCGATGAACC GGAAGCTGTC
GGATCACCCC CCGACCCTTC CCCTGCAGCA GCACCAGCAC CAGCCACAGC CTCCGCAATA TGCCCCAGCG
CCCCAGCAGC TGCAGCAGCC CCCACAGCAG CGATATCTGC AGCACCACCA TTTCCACCAG GAACGCCGAG
GAGGCAGCCT TGACATAAAT GATGGGCATT GTGGCACCGG CTTGGGCAGT GAAATGAATG CGGCCCTCAT
GCATCGGAGA CACACAGACC CAGTGCAGCT CCAGGCGGCA GGGCGAGTGC GGTGGGCCCG GGCGCTGTAT
GACTTTGAGG CCCTGGAGGA TGACGAGCTG GGGTTCCACA GCGGGGAGGT GGTGGAGGTC CTGGATAGCT
CCAACCCATC CTGGTGGACC GGCCGCCTGC ACAACAAGCT GGGCCTCTTC CCTGCCAACT ACGTGGCACC
CATGACCCGA TAA
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Transaction Sequence

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MEAVAKFDFT ASGEDELSFH TGDVLKILSN QEEWFKAELG SEQGYVPKNF IDIQFPKWFH EGLSRHQAEN LLMGKEVGF
IIRASQSSPG DFSISVRHED DVQHFVKMRD NKGNYFLWTE KFPSLNKLVY YRNTNSISRQ KQIFLRDRTR EDQGHRGNSL
DRRSQGGPHL SGAVGEEIRP SMNRKLSDHP PTLPLQHQH QPQPQYAPA PQLQPPQY RYLQHFFHQ ERRGSLDIN
DGHCCTGLGS EMNAALMHRH HTDPVQLQAA GRVVRWARALY DFEALEDDEL GFHSGEVVEV LDSSNPSWWT
GRLHNKLGFL PANYVAPMTR
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