

GRAP2 cDNA

Catalog Number: ATGD0154

PRODUCT INFORMATION

Catalog number

ATGD0154

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 encodes a member of the GRB2/Sem5/Drk family. GRAP2 member is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), GRAP2 contains an SH2 domain flanked by two SH3 domains. GRAP2 interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for GRAP2.

DATA

Sequence nucleotides

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ATGGAAGCTGTTGCCAAGTTTGATTTCACTGCTTCAGGTGAGGATGAACTGAGCTTTCACACTGGAGATGTTTTGAAGATTTT
AAGTAACCAAGAGGAGTGGTTTAAGGCGGAGCTTGGGAGCCAGGAAGGATATGTGCCCAAGAATTTTCATAGACATCCAGTT
TCCCAAATGGTTTTCACGAAGGCCTCTCTCGACACCAGGCAGAGAACTTACTCATGGGCAAGGAGGTTGGCTTCTTCATCATC
CGGGCCAGCCAGAGCTCCCCAGGGGACTTCTCCATCTCTGTCAGGCATGAGGATGACGTTCAACACTTCAAGGTCATGCGA
GACAACAAGGGTAATTACTTTCTGTGGACTGAGAAGTTTCCATCCCTAAATAAGCTGGTAGACTACTACAGGACAAATTCCA
TCTCCAGACAGAAGCAGATCTTCCTTAGAGACAGAACCCGAGAAGACCAGGGTCACCGGGGCAACAGCCTGGACCGGAGG
TCCCAGGGAGGCCCCACACCTCAGTGGGGCTGTGGGAGAAGAAATCCGACCTTCGATGAACCGGAAGCTGTCGGATCACCC
CCCACCCCTTCCCCTGCAGCAGCACCAGCACCAGCCACAGCCTCCGCAATATGCCCCAGCGCCCCAGCAGCTGCAGCAGC
CCCCACAGCAGCGATATCTGCAGCACCACCATTTCCACCAGGAACGCCGAGGAGGCAGCCTTGACATAAATGATGGGCATT
GTGGCACCGGCTTGGGCAGTGAAATGAATGCGGCCCTCATGCATCGGAGACACACAGACCCAGTGCAGCTCCAGGCGGCA
GGGCGAGTGCGGTGGGCCCCGGGCGCTGTATGACTTTGAGGCCCTGGAGGATGACGAGCTGGGGTTCCACAGCGGGGAGG
TGGTGGAGGTCCTGGATAGCTCCAACCCATCCTGGTGGACCGGCCCTGCACAACAAGCTGGGCCTCTCCCTGCCAACT
ACGTGGCACCCATGACCCGATAA
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Transaction Sequence

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MEAVAKFDFT ASGEDELSFH TGDVLKILSN QEEWFKAELG SQEGYVPKNF IDIQFPKWFHEGLSRHQAEN LLMGKEVGFF
IIRASQSSPG DFSISVRHED DVQHFVKMRD NKGNYFLWTEKFPSLNKLVD YYRTNSISRQ KQIFLRDRTR EDQGHRGNSL
DRRSQGGPHL SGAVGEEIRPSMNRKLS DHP PTLPLQQHQH QPQPPQYAPA PQQLQPPQQ RYLQH HHHFHQ
ERRGSLDINDGHCGTGLGS EMNAALMHRR HTDPVQLQAA GRVRWARALY DFEALEDDEL
GFHSGEVVEVL DSSNPSWWT GRLHNKLGLF PANYVAPMTR
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