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

ATGGAAGCTGTTGCCAAGTTTGATTTCACTGCTTCAGGTGAGGATGAACTGAGCTTTCACACTGGAGATGTTTTGAAGATTTT
AAGTAACCAAGAGGAGTGGTTTAAGGCGGAGCTTGGGAGCCAGGAAGGATATGTGCCCAAGAATTTCATAGACATCCAGTT
TCCCAAATGGTTTCACGAAGGCCTCTCTCGACACCAGGCAGAGAACTTACTCATGGGCAAGGAGGTTGGCTTCTTCATCATC
CGGGCCAGCCAGAGCTCCCCAGGGGACTTCTCCATCTCTGTCAGGCATGAGGATGACGTTCAACACTTCAAGGTCATGCGA
GACAACAAGGGTAATTACTTTCTGTGGACTGAGAAGTTTCCATCCCTAAATAAGCTGGTAGACTACTACAGGACAAATTCCA
TCTCCAGACAGAAGCAGATCTTCCTTAGAGACAGAACCCGAGAAGACCAGGGTCACCGGGGCAACAGCCTGGACCGGAGG
TCCCAGGGAGGCCCACACCTCAGTGGGGCTGTGGGAGAAGAAATCCGACCTTCGATGAACCGGAAGCTGTCGGATCACCC
CCCGACCCTTCCCCTGCAGCAGCACCAGCACCAGCCACAGCCTCCGCAATATGCCCCAGCGCCCCAGCAGCTGCAGCAGC
CCCCACAGCAGCGATATCTGCAGCACCACCATTTCCACCAGGAACGCCGAGGAGGCAGCCTTGACATAAATGATGGGCATT
GTGGCACCGGCTTGGGCAGTGAAATGAATGCGGCCCTCATGCATCGGAGACACACAGACCCAGTGCAGCTCCAGGCGGCA
GGGCGAGTGCGGTGGGCCCGGGCGCTGTATGACTTTGAGGCCCTGGAGGATGACGAGCTGGGGTTCCACAGCGGGGAGG
TGGTGGAGGTCCTGGATAGCTCCAACCCATCCTGGTGGACCGGCCGCCTGCACAACAAGCTGGGCCTCTTCCCTGCCAACT
ACGTGGCACCCATGACCCGATAA

Transaction Sequence

MEAVAKFDFT ASGEDELSFH TGDVLKILSN QEEWFKAELG SQEGYVPKNF IDIQFPKWFHEGLSRHQAEN LLMGKEVGFF
IIRASQSSPG DFSISVRHED DVQHFKVMRD NKGNYFLWTEKFPSLNKLVD YYRTNSISRQ KQIFLRDRTR EDQGHRGNSL
DRRSQGGPHL SGAVGEEIRPSMNRKLSDHP PTLPLQQHQH QPQPPQYAPA PQQLQQPPQQ RYLQHHHFHQ
ERRGGSLDINDGHCGTGLGS EMNAALMHRR HTDPVQLQAA GRVRWARALY DFEALEDDEL
GFHSGEVVEVLDSSNPSWWT GRLHNKLGLF PANYVAPMTR