

## GRAP2 cDNA

Catalog Number: ATGD0005

### PRODUCT INFORMATION

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**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

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**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**

**GRAP2 cDNA**

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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**

```
ATGGAAGCTG TTGCCAAGTT TGATTTCACT GCTTCAGGTG AGGATGAACT GAGCTTTTAC ACTGGAGATG
TTTTGAAGAT TTTAAGTAAC CAAGAGGAGT GGTTTAAGGC GGAGCTTGGG AGCCAGGAAG GATATGTGCC
CAAGAATTTT ATAGACATCC AGTTTCCCAA ATGGTTTTCAC GAAGGCCTCT CTCGACACCA GGCAGAGAAC
TTACTCATGG 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 GGCCTCTTC CCTGCCAACT ACGTGGCACC
CATGACCCGA TAA
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**Transaction Sequence**

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