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# Recombinant human GRAP2 protein

Catalog Number: ATGP0888

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-330aa

#### **UniProt No.**

075791

#### **NCBI Accession No.**

NP 004801

#### **Alternative Names**

GRB2-related adapter protein 2, GADS, GRB2L, GRBLG, GrbX, Grf40, GRID, GRPL, Mona, P38

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

40 kDa (350aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 1mM EDTA, 30% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

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. Recombinant human GRAP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

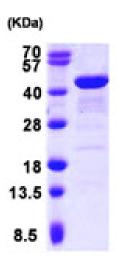
MGSSHHHHHH SSGLVPRGSH MEAVAKFDFT ASGEDELSFH TGDVLKILSN QEEWFKAELG SQEGYVPKNF IDIQFPKWFH EGLSRHQAEN LLMGKEVGFF IIRASQSSPG DFSISVRHED DVQHFKVMRD NKGNYFLWTE KFPSLNKLVD YYRTNSISRQ KQIFLRDRTR EDQGHRGNSL DRRSQGGPHL SGAVGEEIRP SMNRKLSDHP PTLPLQQHQH QPQPPQYAPA PQQLQQPPQQ RYLQHHHFHQ ERRGGSLDIN DGHCGTGLGS EMNAALMHRR HTDPVQLQAA GRVRWARALY DFEALEDDEL GFHSGEVVEV LDSSNPSWWT GRLHNKLGLF PANYVAPMTR

### **General References**

Ludwig L., et al. (2009) Cancer Lett. 275(2):194-7. Chang TW., et al. (2008) Oncogene. 27(3):332-8.

# **DATA**

## **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)