

Recombinant human GRAP2 protein

Catalog Number: ATGP0888

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-330aa

UniProt No.

O75791

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 PQLLQPPQQ
RYLQHHHFHQ ERRGGSLDIN DGHC GTGLGS 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)