

## GRAP2 Human

**Description:** GRAP2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 350 amino acids (1-330.a.a) and having a molecular mass of 40.0kDa. GRAP2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-088

**Synonyms:** GRB2-related adaptor protein 2, GADS, GRBLG, GRID, GRBX, Grf40, Mona, Adapter protein GRID, Growth factor receptor-binding protein, Hematopoietic cell-associated adapter protein GRPL, GRB2L, P38, GRB-2-like protein, SH3-SH2-SH3 adapter Mona, GRAP-2, GRB2-

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSHMEAVAKFDFT ASGEDELSFH  
TGDVLKILSN QEEWFKAELG SQEGYVPKNF IDIQFPKWFH EGLSRHQAEEN LLMGKEVGFF  
IIRASQSSPG DFSISVRHED DVQHFVKVMRD NKGNYFLWTE KFPSLNKLVD YYRTNSISRQ  
KQIFLRDRTR EDQGHGRGNSL DRRSQGGPHL SGAVGEEIRP SMNRKLSDHP PTLPLQQHQH  
QPQPPQYAPA PQQ

**Purity:** Greater than 90% as determined by SDS-PAGE.

### Formulation:

The GRAP2 protein solution (0.5mg/ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 30% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

GRAP2 belongs to the GRB2/Sem5/Drk family. GRAP2 is an adaptor-like protein has a part in leukocyte-specific protein-tyrosine kinase signaling. Similar to related family member, GRB2-related adaptor protein contains an SH2 domain flanked by two SH3 domains and it interacts with other proteins, for example GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains.

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