
Product Data Sheet

Product Name: GRAP2 Human
 Cat. No.: GP23596
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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-related protein with insert domain; Growth Factor Receptor-bound protein 2-related adaptor protein 2; SH3-SH2-SH3 adaptor molecule; Protein GADS.		
Amino Acid Sequence	<p>MGSSHHHHHH SSGLVPRGSHMEAVAKFDFT ASGEDELSFH TGDVLKILSN QEEWFKAELG SQEGYVPKNF IDIQFPKWFH EGLSRHQAEN LLMGKEVGFF IIRASQSSPG DFSISVRHED DVQHFKVMRD NKGNYFLWTE KFPSLNKLVD YYRTNSISRQ KQIFLRDRTR EDQGHARGNSL DRRSQGGPHL SGAVGEEIRP SMNRKLSDHP PTLPLQQHQH QPQPQYAPA PQLQPPQ RYLQHFFFHQ ERRGGSLDIN DGHC GTGLGS EMNAALMHR HTDPVQLQAA GRVRWARALY DFEALDEL GFHSGEVVEV LDSSNPSWWT GRLHNKLGLF PANYVAPMTR.</p>		
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.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA