

Recombinant Human GRAP2 293 Cell Lysate

Cat. No. GRAP2-5757HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for GRB2-related adaptor protein 2 (GRAP2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GRAP2 GRB2-related adaptor protein 2 [Homo sapiens]

Official Symbol

GRAP2

Synonyms

GRAP2; GRB2-related adaptor protein 2; GRB2-related adapter protein 2; GADS; GRBLG; GrbX; Grf40; Mona; grf-40; GRB-2-like protein; adapter protein GRID; grf40 adapter protein; SH3-SH2-SH3 adapter Mona; SH3-SH2-SH3 adaptor molecule; growth factor receptor-binding protein; GRB2-related protein with insert domain; hematopoietic cell-associated adapter protein GrpL; hematopoietic cell-associated adaptor protein GRPL; growth factor receptor-bound protein 2-related adaptor protein 2; P38; GRID; GRPL; GRB2L; GRAP-2;

Gene ID

9402

mRNA Refseq

NM_004810

Protein Refseq

NP_004801

MIM

604518

UniProt ID

O75791

**Chromosome
Location**

22q13.2

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Pathway

Adaptive Immune System, organism-specific biosystem; CD28 co-stimulation, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem; Immune System, organism-specific biosystem; JNK signaling in the CD4+ TCR pathway, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

Function

SH3/SH2 adaptor activity; protein binding;

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