Recombinant Human GRAP 293 Cell Lysate

Cat. No. GRAP-5758HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for GRB2-related adaptor protein (GRAP) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	GRAP GRB2-related adaptor protein [Homo sapiens]
Official Symbol	GRAP
Synonyms	GRAP; GRB2-related adaptor protein; GRB2-related adapter protein; growth factor receptor-bound protein 2-related adaptor protein; MGC64880;
Gene ID	10750
mRNA Refseq	NM_006613
Protein Refseq	NP_006604
MIM	604330
UniProt ID	Q13588
Chromosome Location	17p11.2
Pathway	Kit Receptor Signaling Pathway, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by SCF-KIT, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;
Function	SH3/SH2 adaptor activity;

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