

Recombinant Human GRB14 293 Cell Lysate

Cat. No. GRB14-5756HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for growth factor receptor-bound protein 14 (GRB14) 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	GRB14 growth factor receptor-bound protein 14 [Homo sapiens]
Official Symbol	GRB14
Synonyms	GRB14; growth factor receptor-bound protein 14; GRB14 adapter protein;
Gene ID	2888
mRNA Refseq	NM_004490
Protein Refseq	NP_004481
MIM	601524
UniProt ID	Q14449
Chromosome Location	2q22-q24
Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; Insulin Pathway, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Tie2 Signaling, organism-specific biosystem;

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Function

SH3/SH2 adaptor activity; phosphoprotein binding;

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