

Recombinant Human GRB7 293 Cell Lysate

Cat. No. GRB7-5754HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for growth factor receptor-bound protein 7 (GRB7), transcript variant 1 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

GRB7 growth factor receptor-bound protein 7 [Homo sapiens]

Official Symbol

GRB7

Synonyms

GRB7; growth factor receptor-bound protein 7; B47; GRB7 adapter protein; epidermal growth factor receptor GRB-7;

Gene ID

2886

mRNA Refseq

NM_001030002

Protein Refseq

NP_001025173

MIM

601522

UniProt ID

Q14451

**Chromosome
Location**

17q12

Pathway

Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; EPHB forward signaling, organism-specific biosystem; GRB7 events in ERBB2 signaling, organism-specific biosystem; Hemostasis,

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organism-specific biosystem;

Function

RNA binding; SH3/SH2 adaptor activity; identical protein binding; lipid binding; phosphatidylinositol binding; protein binding; protein kinase binding;

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