

Recombinant Human GRIP1 293 Cell Lysate

Cat. No. GRIP1-5741HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for glutamate receptor interacting protein 1 (GRIP1) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	GRIP1 glutamate receptor interacting protein 1 [Homo sapiens]
Official Symbol	GRIP1
Synonyms	GRIP1; glutamate receptor interacting protein 1; glutamate receptor-interacting protein 1; GRIP;
Gene ID	23426
mRNA Refseq	NM_001178074
Protein Refseq	NP_001171545
MIM	604597
UniProt ID	Q9Y3R0
Chromosome Location	12q13.13
Pathway	Glutamate Binding, Activation of AMPA Receptors and Synaptic Plasticity, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Receptor Binding And Downstream Transmission In The Postsynaptic Cell, organism-specific biosystem; Trafficking of AMPA receptors, organism-specific biosystem; Trafficking of GluR2-containing AMPA receptors, organism-specific biosystem; Transmission across Chemical Synapses, organism-specific biosystem;

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Function

androgen receptor binding; beta-catenin binding; protein C-terminus binding; receptor signaling complex scaffold activity; transcription coactivator activity;

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