

Recombinant Human GRIP1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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;

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Transmission across Chemical Synapses, organism-specific biosystem;

Function

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

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