

Recombinant Human DLG4 293 Cell Lysate

Cat. No. DLG4-6910HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for discs, large homolog 4 (Drosophila) (DLG4), 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

[DLG4 discs, large homolog 4 \(Drosophila\) \[Homo sapiens \]](#)

Official Symbol

DLG4

Synonyms

DLG4; discs, large homolog 4 (Drosophila); disks large homolog 4; PSD 95; PSD95; SAP 90; SAP90; discs large homolog 4; Tax interaction protein 15; synapse-associated protein 90; postsynaptic density protein 95; post-synaptic density protein 95; SAP-90; FLJ97752; FLJ98574;

Gene ID

[1742](#)

mRNA Refseq

[NM_001365](#)

Protein Refseq

[NP_001356](#)

MIM

[602887](#)

UniProt ID

[P78352](#)

Chromosome Location

17p13.1

Pathway

Activation of Ca-permeable Kainate Receptor, organism-specific biosystem;
Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem;
Activation of NMDA receptor upon glutamate binding and postsynaptic

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events, organism-specific biosystem; Axon guidance, organism-specific biosystem; CREB phosphorylation through the activation of CaMKII, organism-specific biosystem; CREB phosphorylation through the activation of Ras, organism-specific biosystem; Cocaine addiction, organism-specific biosystem;

Function

protein C-terminus binding; protein binding; scaffold protein binding;

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