

Recombinant Human DLK1 293 Cell Lysate

Cat. No. DLK1-6909HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for delta-like 1 homolog (Drosophila) (DLK1) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

DLK1 delta-like 1 homolog (Drosophila) [Homo sapiens]

Official Symbol

DLK1

Synonyms

DLK1; delta-like 1 homolog (Drosophila); delta like homolog (Drosophila); protein delta homolog 1; Delta1; FA1; pG2; Pref 1; ZOG; DLK-1; securedeltin; fetal antigen 1; preadipocyte factor 1; DLK; PREF1; Pref-1;

Gene ID

8788

mRNA Refseq

NM_003836

Protein Refseq

NP_003827

MIM

176290

UniProt ID

P80370

**Chromosome
Location**

14q32

Pathway

Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Adipogenesis, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH,

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organism-specific biosystem; Signaling by NOTCH1, organism-specific biosystem;

Function

molecular_function;

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