

Recombinant Human DIAPH1 293 Cell Lysate

Cat. No. DIAPH1-6925HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for diaphanous homolog 1 (Drosophila) (DIAPH1), transcript variant 2 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

DIAPH1 diaphanous homolog 1 (Drosophila) [Homo sapiens]

Official Symbol

DIAPH1

Synonyms

DIAPH1; diaphanous homolog 1 (Drosophila); DFNA1, diaphanous (Drosophila, homolog) 1; protein diaphanous homolog 1; hDIA1; LFHL1; diaphanous-related formin 1; diaphanous-related formin-1; DIA1; DRF1; DFNA1; FLJ25265;

Gene ID

1729

mRNA Refseq

NM_001079812

Protein Refseq

NP_001073280

MIM

602121

UniProt ID

O60610

**Chromosome
Location**

5q31

Pathway

Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; G13 Signaling Pathway, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem; RhoA signaling pathway, organism-specific biosystem;

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Shigellosis, organism-specific biosystem;

Function

Rho GTPase binding; actin binding; binding; ion channel binding; profilin binding; receptor binding;

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