

Recombinant Human DIAPH3 293 Cell Lysate

Cat. No. DIAPH3-6924HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for diaphanous homolog 3 (Drosophila) (DIAPH3), 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

DIAPH3 diaphanous homolog 3 (Drosophila) [Homo sapiens]

Official Symbol

DIAPH3

Synonyms

DIAPH3; diaphanous homolog 3 (Drosophila); auditory neuropathy, autosomal dominant 1 , AUNA1, diaphanous (Drosophila, homolog) 3; protein diaphanous homolog 3; AN; DRF3; FLJ34705; NSDAN; diaphanous-related formin 3; diaphanous-related formin-3; auditory neuropathy, autosomal dominant 1; DIA2; AUNA1; diap3; mDia2; DKFZp434C0931; DKFZp686A13178;

Gene ID

81624

mRNA Refseq

NM_001042517

Protein Refseq

NP_001035982

MIM

614567

UniProt ID

Q9NSV4

**Chromosome
Location**

13q21.2

Pathway

CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific

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biosystem; Regulation of actin cytoskeleton, conserved biosystem;

Function

Rho GTPase binding; actin binding; binding;

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