

Human DIAPH1 Knockdown Cell Lysate

Cat. No. DIAPH1-136HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DIAPH1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene is a homolog of the Drosophila diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in Drosophila and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	141 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DIAPH1 KD HeLa cell lysate
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Focal adhesion, Regulation of actin cytoskeleton
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	DIAPH1 diaphanous homolog 1 (Drosophila) [Homo sapiens (human)]
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

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