

Recombinant Human DYNLL1 293 Cell Lysate

Cat. No. DYNLL1-6757HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for dynein, light chain, LC8-type 1 (DYNLL1), 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [DYNLL1 dynein, light chain, LC8-type 1 \[Homo sapiens \]](#)

Official Symbol [DYNLL1](#)

Synonyms [DYNLL1](#); dynein, light chain, LC8-type 1; [DNCL1](#), dynein, cytoplasmic, light polypeptide 1; dynein light chain 1, cytoplasmic; [DLC1](#); [DLC8](#); [hdlc1](#); [LC8](#); [PIN](#); 8 kDa dynein light chain; cytoplasmic dynein light polypeptide; dynein, cytoplasmic, light polypeptide 1; protein inhibitor of neuronal nitric oxide synthase; [LC8a](#); [DNCL1](#); [DNCLC1](#); [MGC126137](#); [MGC126138](#);

Gene ID [8655](#)

mRNA Refseq [NM_001037494](#)

Protein Refseq [NP_001032583](#)

MIM [601562](#)

UniProt ID [P63167](#)

Chromosome Location [12q24.23](#)

Pathway [Activation of BH3-only proteins, organism-specific biosystem](#); [Activation of BIM and translocation to mitochondria, organism-specific biosystem](#); [Apoptosis, organism-specific biosystem](#); [Cell Cycle, organism-specific biosystem](#); [Cell Cycle, Mitotic, organism-specific biosystem](#); [Centrosome maturation, organism-specific biosystem](#);

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G2/M Transition, organism-specific biosystem;

Function

motor activity; protein binding;

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