

Human DYNLL1 Knockdown Cell Lysate

Cat. No. DYNLL1-341HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DYNLL1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Cytoplasmic dyneins are large enzyme complexes with a molecular mass of about 1,200 kD. They contain two force-producing heads formed primarily from dynein heavy chains, and stalks linking the heads to a basal domain, which contains a varying number of accessory intermediate chains. The complex is involved in intracellular transport and motility. The protein described in this record is a light chain and exists as part of this complex but also physically interacts with and inhibits the activity of neuronal nitric oxide synthase. Binding of this protein destabilizes the neuronal nitric oxide synthase dimer, a conformation necessary for activity, and it may regulate numerous biologic processes through its effects on nitric oxide synthase activity. Alternate transcriptional splice variants have been characterized.
Form	Cell-Tissue Lysis buffer
Molecular Mass	10 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.

 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

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg DYNLL1 KD HeLa cell lysate
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

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

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