Recombinant Human DYNLL2 293 Cell Lysate

Cat. No. DYNLL2-6756HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for dynein, light chain, LC8-type 2 (DYNLL2) 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.

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

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	DYNLL2 dynein, light chain, LC8-type 2 [Homo sapiens]
Official Symbol	DYNLL2
Synonyms	DYNLL2; dynein, light chain, LC8-type 2; dynein light chain 2, cytoplasmic; Dlc2; DNCL1B; MGC17810; radial spoke 22 homolog (Chlamydomonas); RSPH22; DLC8b; radial spoke 22 homolog; 8 kDa dynein light chain b;
Gene ID	140735
mRNA Refseq	NM_080677
Protein Refseq	NP_542408
MIM	608942
UniProt ID	Q96FJ2
Chromosome Location	17q23.2
Pathway	Activation of BH3-only proteins, organism-specific biosystem; Activation of BMF and translocation to mitochondria, organism-specific biosystem; Apoptosis, organism-specific biosystem; Intrinsic Pathway for Apoptosis, organism-specific biosystem; Vasopressin-regulated water reabsorption, organism-specific biosystem;

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	Vasopressin-regulated water reabsorption, conserved biosystem;
Function	cytoskeletal protein binding; motor activity;

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