Recombinant Human DNAL4 293 Cell Lysate

Cat. No. DNAL4-6868HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for dynein, axonemal, light chain 4 (DNAL4) 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	DNAL4 dynein, axonemal, light chain 4 [Homo sapiens]
Official Symbol	DNAL4
Synonyms	DNAL4; dynein, axonemal, light chain 4; dynein, axonemal, light 4 , dynein, axonemal, light polypeptide 4; dynein light chain 4, axonemal; dJ327J16; PIG27; dynein, axonemal, light 4; proliferation-inducing gene 27; dynein light chain, outer arm 4; proliferation-inducing protein 27; dynein, axonemal, light polypeptide 4;
Gene ID	10126
mRNA Refseq	NM_005740
Protein Refseq	NP_005731
MIM	610565
UniProt ID	O96015
Chromosome Location	22q13.1
Pathway	Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; NGF signalling via TRKA from the plasma membrane, organism-specific biosystem; Retrograde neurotrophin signalling, organism-specific biosystem; Signal

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	Transduction, organism-specific biosystem; Signalling by NGF, organism-specific biosystem;
Function	ATPase activity, coupled; microtubule motor activity;

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