

Recombinant Mouse Dnal1 Protein, MYC/DDK-tagged

Cat. No. Dnal1-272M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse dynein, axonemal, light chain 1 (Dnal1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Part of the multisubunit axonemal ATPase complexes that generate the force for cilia motility and govern beat frequency. Component of the outer arm dynein (ODA). May be involved in a mechanosensory feedback mechanism controlling ODA activity based on external conformational cues by tethering the outer arm dynein heavy chain (DNAH5) to the microtubule within the axoneme. Important for ciliary function in the airways and for the function of the cilia that produce the nodal flow essential for the determination of the left-right asymmetry.
Molecular Mass	21.5 kDa
Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Dnal1 dynein, axonemal, light chain 1 [Mus musculus (house mouse)]

Official Symbol Dnal1

Synonyms Dnal1; dynein, axonemal, light chain 1; Dnalcl1; AW121714; 1700010H15Rik; E330027P08Rik; dynein light chain 1, axonemal

Gene ID 105000

mRNA Refseq NM_028821

Protein Refseq NP_083097

UniProt ID Q05A62

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