

Recombinant Human Dynein, Light Chain, LC8-Type 2, His-tagged

Cat. No. DYNLL2-4997H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanDYNLL2 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Dynein light chain2, cytoplasmic, also known DYNLL2, is a large protein complex composed of sixdistinct subunits and is responsible for most intracellular movement towardthe minus ends of microtubules. Dyneins are multisubunit, high molecularweight ATPases that interact with microtubules to generate force byconverting the chemical energy of ATP into the mechanical energy of movement.DYNLL2 is a highly conserved eukaryotic hub protein with dozens of bindingpartners and various functions beyond being a subunit of dynein and myosin Vamotor proteins.
Concentration	1 mg/ml
Form	Supplied as a liquidin 20 mM Tris-HCl buffer, pH 8.0, containing 1 mM DTT, 30% glycerol and 0.2 MNaCl.
Purity	> 90% by SDS-PAGE
Sequence	1-89 amino acids:MGSSHHHHHH SSGLVPRGSH MSDRKAVIKN ADMSEDMQQD

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	AVDCATQAME KYNIEKDIAA YIKKEFDKKYNPTWHCIVGR NFGSYVTHET KHFIYFYLGQ VAILLFKSG	
Molecular Mass	12.5 kDa (109 aa),confirmed by MALDI-TOF.	
Applications	SDS-PAGE	
Storage	Store at 4 deg C forshort term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg Cfor long term storage. Avoid repeated freeze/thaw cycles.	
OfficialSymbol	DYNLL2	
nullValue_other	Function	cytoskeletal proteinbinding; motor activity

GENE INFORMATION

Gene Name	DYNLL2 dynein, light chain,LC8-type 2 [Homo sapiens]
Synonyms	DYNLL2; dynein,light chain, LC8-type 2; Dlc2; DNCL1B; RSPH22; MGC17810; dynein light chain2, cytoplasmic; DLC8b; radial spoke 22 homolog; 8 kDa dynein light chain b;radial spoke 22 homolog (Chlamydomonas); Dynein light chain 2, cytoplasmic;Dynein light chain LC8-type 2; DLC2
Gene ID	140735
mRNA Refseq	NM_080677
Protein Refseq	NP_542408
MIM	608942

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UniProt ID	Q96FJ2
Chromosome Location	17q22
Pathway	Activation ofBH3-only proteins; Activation of BMF and translocation to mitochondria;Apoptosis; Intrinsic Pathway for Apoptosis; Vasopressin-regulated waterreabsorption
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