

## Recombinant Mouse Dync1li1 Protein, Myc/DDK-tagged

**Cat. No.** Dync1li1-2696M    **Lot. No.** (See product label)

### SPECIFICATION

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| <b>Product Overview</b> | Purified recombinant protein of mouse full-length dynein cytoplasmic 1 light intermediate chain 1 (Dync1li1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. May play a role in binding dynein to membranous organelles or chromosomes. Probably involved in the microtubule-dependent transport of pericentrin. Is required for progress through the spindle assembly checkpoint. The phosphorylated form appears to be involved in the selective removal of MAD1L1 and MAD1L2 but not BUB1B from kinetochores. |
| <b>Molecular Mass</b>   | 56.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | Dync1li1 dynein cytoplasmic 1 light intermediate chain 1 [ Mus musculus (house mouse) ]                                                                                                                                                                                         |
| <b>Official Symbol</b>  | Dync1li1                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | DYNC1LI1; dynein cytoplasmic 1 light intermediate chain 1; cytoplasmic dynein 1 light intermediate chain 1; DLC-A; dynein light chain A; dynein light intermediate chain 1, cytosolic; dynein, cytoplasmic, light intermediate chain 1; LIC-1; Dncl1c1; 1110053F02Rik; MGC32416 |
| <b>Gene ID</b>          | 235661                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>      | NM_146229                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_666341                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>       | Q8R1Q8                                                                                                                                                                                                                                                                          |