

## Recombinant Human DYNLT1, GST-tagged

**Cat. No.** DYNLT1-12235H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Product Overview</b> | Recombinant Human DYNLT1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-113a.a.                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | Cytoplasmic dynein is the major motor protein complex responsible for minus-end, microtubule-based motile processes. Each dynein complex consists of 2 heavy chains that have ATPase and motor activities, plus a group of accessory polypeptides. TCTEX1 is a dynein light chain involved in cargo binding (Chuang et al., 2005 [PubMed 15992542]). |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                    |

### GENE INFORMATION

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| <b>Gene Name</b> | DYNLT1 dynein, light chain, Tctex-type 1 [ Homo sapiens ] |
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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b>     | DYNLT1                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>            | DYNLT1; dynein, light chain, Tctex-type 1; t complex associated testis expressed 1 like 1 , TCTEL1; dynein light chain Tctex-type 1; T-complex testis-specific protein 1 homolog; t-complex-associated-testis-expressed 1-like 1; CW-1; TCTEL1; tctex-1; MGC111571; |
| <b>Gene ID</b>             | 6993                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>         | NM_006519                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_006510                                                                                                                                                                                                                                                           |
| <b>MIM</b>                 | 601554                                                                                                                                                                                                                                                              |
| <b>UniProt ID</b>          | P63172                                                                                                                                                                                                                                                              |
| <b>Chromosome Location</b> | 6q25.2-q25.3                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Lissencephaly gene (LIS1) in neuronal migration and development, organism-specific biosystem; Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem;                                                                                     |
| <b>Function</b>            | identical protein binding; motor activity; protein binding;                                                                                                                                                                                                         |