

Recombinant Human Dynein, Light chain, Tctex-Type 1, His-tagged

Cat. No. DYNLT1-3518H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DYNLT1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques (1-113aa).
Species	Human
Source	E. coli
Description	Dynein light chain Tctex-type 1, also known as DYNLT1, belongs to the dynein light chain Tctex-type family. DYNLT1 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 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. DYNLT1 is a dynein light chain involved in cargo binding.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl
Molecular Weight	14.6 kDa (133aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MEDYQAAEET AFVVDEVSNV VKEAIESAIG GNAYQHSHKVN QWTTNVVEQT LSQTLKLGKP FKYIVTCVIMQKNGAGLHTA SSCFWDSSTD GSCTVRWENK TMYCIVSAFG LSI
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	DYNLT1 dynein, light chain, Tctex-type 1 [Homo sapiens]
Synonyms	DYNLT1; CW-1; TCTEL1; tctex-1; MGC111571; dynein light chain Tctex-type 1; T-complex testis-specific protein 1 homolog; t-complex-associated-testis-expressed 1-like 1
Gene ID	6993
mRNA Refseq	NM_006519
Protein Refseq	NP_006510
MIM	601554
UniProt ID	P63172
Chromosome Location	6q25.2-q25.3
Function	identical protein binding; motor activity; protein binding