

## Product datasheet for **TP318331M**

### **DYNLT1 (NM\_006519) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dynein, light chain, Tctex-type 1 (DYNLT1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218331 representing NM_006519 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MEDYQAAEETAFVVDEVSNIKAEIAESAIGGNAYQHASKVNQWTTNVVEQTLSQLTKLGKPFKYIVTCVIM QKNGAGLHTASSCFWDSSTDGCTVRWENKMTMYCIVSAFGLSI  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	12.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_006510</a>
Locus ID:	6993
UniProt ID:	<a href="#">P63172</a>
RefSeq Size:	713
Cytogenetics:	6q25.3



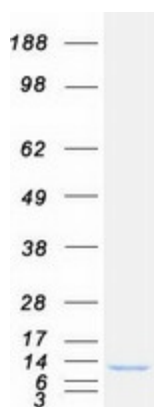
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RefSeq ORF: 339

Synonyms: CW-1; TCTEL1; tctex-1; TCTEX1

**Summary:** This gene encodes a component of the motor complex, cytoplasmic dynein, which transports cellular cargo along microtubules in the cell. The encoded protein regulates the length of primary cilia which are sensory organelles found on the surface of cells. The protein encoded by this gene interacts with viral proteins, like the minor capsid protein L2 of human papillomavirus, and is required for dynein-mediated delivery of the viral nucleic acid to the host nucleus. This protein interacts with oncogenic nucleoporins to disrupt gene regulation and cause leukemic transformation. Pseudogenes of this gene are present on chromosomes 4 and 17. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]

### Product images:



Coomassie blue staining of purified DYNLT1 protein (Cat# [TP318331]). The protein was produced from HEK293T cells transfected with DYNLT1 cDNA clone (Cat# [RC218331]) using MegaTran 2.0 (Cat# [TT210002]).