

Recombinant Human DYNLT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DYNLT1-1452H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DYNLT1 MS Standard C13 and N15-labeled recombinant protein (NP_006510) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	12.3 kDa
AA Sequence	MEDYQAAEETAFVVDEVSNIVKEAIESAIGGNAYQHSKVNQWTTNVVEQTLSQLTKL GKPFKYIVTCVIMQKNGAGLHTASSCFWDSSTDGSCTVRWENKTMYCIVSAFGLSIT RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DYNLT1 dynein light chain Tctex-type 1 [Homo sapiens (human)]
Official Symbol	DYNLT1
Synonyms	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;
Gene ID	6993
mRNA Refseq	NM_006519
Protein Refseq	NP_006510
MIM	601554
UniProt ID	P63172

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