

Recombinant Human DYNLT1, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human DYNLT1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-113a.a.
Description	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]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DYNLT1 dynein, light chain, Tctex-type 1 [Homo sapiens]
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Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

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

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
Chromosome Location	6q25.2-q25.3
Pathway	Lissencephaly gene (LIS1) in neuronal migration and development, organism-specific biosystem; Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem;
Function	identical protein binding; motor activity; protein binding;