
Product Data Sheet

Product Name: DYNLT1 Human
 Cat. No.: GP23346
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dynein light chain Tctex-type 1; Protein CW-1; T-complex testis-specific protein 1 homolog; DYNLT1; TCTEL1; TCTEX-1; TCTEX1; CW-1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MEDYQAAEET AFVVDEVSNI VKEAIESAIG GNAYQHSKVN QWTTNVVEQT LSQTKLGKP FKYIVTCVIM QKNGAGLHTA SSCFWDSSTD GSCTVRWENK TMYCIVSAFG LSI.		
Formulation	DYNLT1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M NaCl.		

Introduction

Dynein light chain Tctex-type 1 (DYNLT1) is a member of the dynein light chain Tctex-type family. DYNLT1 is a dynein light chain involved in cargo binding. DYNLT1 acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex which are believed to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein is a key motor protein complex responsible for minus-end, microtubule-based motile processes. Each dynein complex consists of two heavy chains which have ATPase and motor activities, as well as a group of accessory polypeptides.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DYNLT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 133 amino acids (1-113 a.a.) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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of 14.6kDa.DYNLT1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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