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## Product Data Sheet

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Product Name: DYNLT3 Human  
 Cat. No.: GP23347  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dynein light chain Tctex-type 3; t-complex-associated-testis-expressed 1-like; TCTE1XL; Protein 91/23; TCTEX1L; TCTE1L; RP3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEEYHRH CDEVGFNAEE AHNIVKECVD GVLGGEDYNH NNINQWTASI VEQSLTHLVK LGKAYKYIVT CAVVQKSAYG FHTASSCFWD TTSDGTCTVR WENRTMNCIV NVFAIAIVL		
Formulation	The DYNLT3 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.		

### Introduction

DYNLT3 belongs to a subclass of dynein light chains. The DYNLT3 protein homodimerizes and forms the light chain component of the cytoplasmic dynein motor protein complex. DYNLT3 functions 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. DYNLT3 may also work independently of dynein as a transcriptional modulator. DYNLT3 is required for the effective progression through mitosis.

### 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

DYNLT3 Human Recombinant produced in E. coli is a single polypeptide chain containing 139 amino acids (1-116) and having a molecular mass of 15.5 kDa. DYNLT3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

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

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