

Recombinant human DYNLT3 protein

Catalog Number: ATGP1691

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-116aa

UniProt No.

P51808

NCBI Accession No.

NP_006511

Alternative Names

Dynein light chain Tctex-type 3, RP3; TCTE1L; TCTEX1L

PRODUCT SPECIFICATION

Molecular Weight

15.5 kDa (139aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DYNLT3 is a member of a subclass of dynein light chains. This protein homodimerizes and forms the light chain component of the cytoplasmic dynein motor protein complex. It may be important for binding dynein to specific cargos including the spindle checkpoint protein BuB3. DYNLT3 may also function independently of dynein as a transcriptional modulator. Recombinant human DYNLT3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

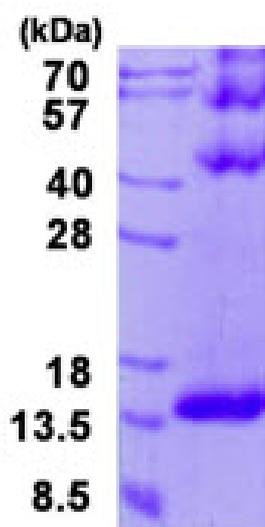
MGSSHHHHHHH SSGLVPRGSH MGSMEYYHRH CDEVGFNAAE AHNIVKECVD GVLGGEDYNH NNINQWTASI
VEQLSLHLVK LGKAYKYIVT CAVVQKSAYG FHTASSCFWD TTSDGTCTVR WENRTMNCIV NVFAIAIVL

General References

Yeh TY, et al. (2005). J Cell Sci. 118(Pt 15):3431-43.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)