

Recombinant human DYNLL2 protein

Catalog Number: ATGP1087

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-89aa

UniProt No.

Q96FJ2

NCBI Accession No.

NP_542408

Alternative Names

Dynein light chain 2 LC8-type 2, Dynein light chain 2, LC8-type 2, Dlc2, DNCL1B, DLC8b

PRODUCT SPECIFICATION

Molecular Weight

12.5 kDa (109aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.2M NaCl

Purity

> 90% 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

Dynein light chain 2, cytoplasmic, also known DYNLL2, is a large protein complex composed of six distinct subunits and is responsible for most intracellular movement toward the minus ends of microtubules. Dyneins are multisubunit, high molecular weight ATPases that interact with microtubules to generate force by converting the chemical energy of ATP into the mechanical energy of movement. DYNLL2 is a highly conserved eukaryotic hub protein with dozens of binding partners and various functions beyond being a subunit of dynein and myosin Va motor proteins. Recombinant human DYNLL2 protein, fused to His-tag at N-terminus, was expressed in E. coli

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and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MSDRKAVIKN ADMSEDMQQD AVDCATQAME KYNIEKDIAA YIKKEFDKKY NPTWHCIVGR
NFGSYVTHET KHFIYFYLGG VAILLFKSG

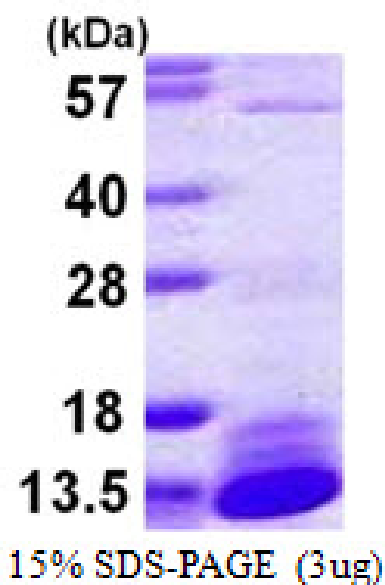
General References

Radnai L., et al. (2010) J Biol chem. 285(49):38649-57.

Lu J., et al. (2005) Biochem Biophys Res Commun. 331(1):153-8.

DATA

SDS-PAGE



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