

# Recombinant human DYNLRB2 protein

Catalog Number: ATGP0962

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-96aa

### UniProt No.

Q8TF09

### NCBI Accession No.

NP\_570967

### Alternative Names

Dynein light chain roadblock-type 2, DNCL2B, DNLC2B, MGC62033, ROBLD2

## PRODUCT SPECIFICATION

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### Molecular Weight

13.0 kDa (116aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### 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

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### Description

DYNLRB2, also known as dynein light chain roadblock-type 2, acts as one of several non-catalytic accessory components of the cytoplasmic dynein complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. Recombinant human DYNLRB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MAEVEETLKR IQSHKGVIGT MVVNAEGIPI RTTLDNSTTV QYAGLLHHLT MKAKSTVRDI  
DPQNDLTLFLR IRSKKHEIMV APDKEYLLIV IQNPCE

### General References

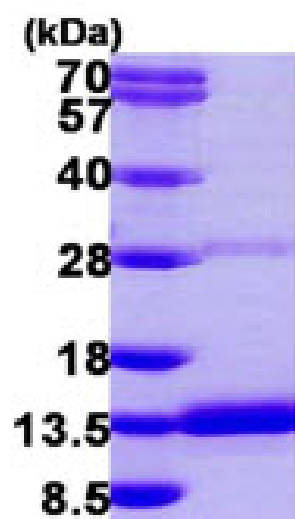
Jiang J., et al. (2001). *Gene.*, 281:103-13.

Wanschers B., et al. (2008). *Cell Motil Cytoskeleton.* 65:183-96.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)