

# Recombinant human CIB2 protein

Catalog Number: ATGP0909

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-187aa

### UniProt No.

O75838

### NCBI Accession No.

NP\_006374

### Alternative Names

calcium and integrin binding family member 2, KIP2

## PRODUCT SPECIFICATION

---

### Molecular Weight

23.8 kDa (207aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl, 1mM PMSF

### 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

CIB2 belongs to calcium and integrin-binding family. CIB2 may be a Ca<sup>2+</sup>-binding regulatory protein that interacts with DNA-dependent protein kinase catalytic subunit (DNA-PKcs). In skeletal muscle, CIB2 colocalizes with the integrin alpha7B subunit at the sarcolemma and at the neuromuscular and myotendinous junctions. CIB2 is closely related to CIB1. Recombinant human CIB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Recombinant human CIB2 protein

Catalog Number: ATGP0909

### Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGNKQTIFTE EQLDNYQDCT FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII  
QMPELRENPF KERIVAAFSE DGEGNLTFFND FVDMFSLVCE SAPRELKANY AFKIYDFNTD NFICKEDLEL TLARLTKSEL  
DEEEVVLVCD KVIEEADLDG DGKLGFAFDFE DMIKAPDFL STFHIRI

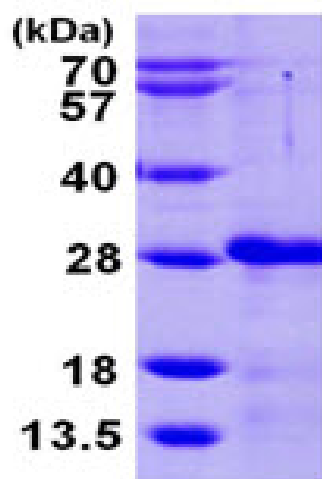
### General References

Yu Y., et al. (2009) Mol Biol Rep. 36(7):1799-809.

Hager M., et al. (2008) J Biol Chem. 5  
283(36):24760-9.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)