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 Ca2+-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.

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Amino acid Sequence

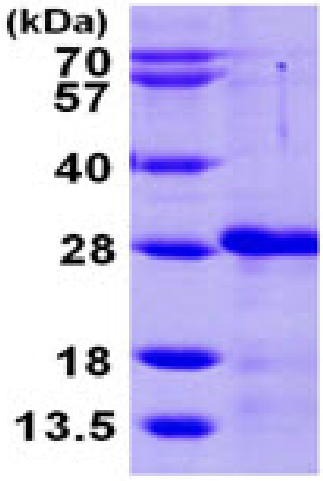
MGSSHHHHHH SSGLVPRGSH MGNKQTIFTE EQLDNYQDCT FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII QMPELRENPF KERIVAAFSE DGEGNLTFND FVDMFSVLCE SAPRELKANY AFKIYDFNTD NFICKEDLEL TLARLTKSEL DEEEVVLVCD KVIEEADLDG DGKLGFADFE DMIAKAPDFL STFHIRI

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



15% SDS-PAGE (3ug)

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