

Recombinant Human CIB2, His-tagged

Cat. No. CIB2-3474H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CIB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	CIB2 belongs to calcium and integrin-binding family. CIB2 may be a Ca ²⁺ -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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl, 1mM PMSF
Molecular Weight	23.8kDa (207aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 90% by SDS - PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGNKQTIFTE EQLDNYQDCT FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII QMPELRENPF KERIVAASFSE

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DGEGNLTfND FVDMFsvLCE SAPRELKANY AFKIYDFNTD NFICKEDLEL
TLARLTkSEL DEEEVVLVCD KVIEEADLDG DGKLGFADFE DMIAKAPDFL STFHIRI

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

CIB2 calcium and integrin binding family member 2 [Homo sapiens]

Synonyms

CIB2; calcium and integrin binding family member 2; KIP2; 2810434I23Rik; DNA-dependent protein kinase catalytic subunit-interacting protein 2; kinase-interacting protein 2

Gene ID

10518

mRNA Refseq

NM_006383

Protein Refseq

NP_006374

MIM

605564

UniProt ID

O75838

**Chromosome
Location**

15q24

Function

calcium ion binding

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