

**CIB2, 1-187aa, Human, His tag, E.coli**

**Cat.NO.: TP01623**

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3th Edition

**Synonyms:**calcium and integrin binding family member 2, KIP2

**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.

**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)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGNKQTIFTEEQLDNYQDCTFFNKKDILKLHSRIFYELAPNLVPM DYRKSPIVHVP  
MSLI IQMPELRENPFKERIVA AFS EDGEGNLT FNDFVDMF SVLCE SAPRELKANYAFKIYDFNTDNFICKEDLELTLA  
RLTKSELDEEEVVLVCDKVIEEADLDGDGKLGFA DFEDMIAKAPDFLSTFHIRI

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.