

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

Cat.NO.: TP01623

3th Edition

Synonyms:calcium and integrin binding family member 2, KIP2

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.

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:

MGSSHHHHHHSSGLVPRGSHMGNKQTIFTEEQLDNYQDCTFFNKKDILKLHSRIFYELAPNLVPMDYRKSPIVHVP
MSLIQMPELRENPFKERIVAAFSEDGEGNLTFNDFVDMFSVLCESAPRELKANYAFKIYDFNTDNFICKEDLELTLA
RLTKSELDEEEVVLVCDKVIEEADLDGDGKLGFADEFDMAKAPDFLSTFHIRI

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.