

CIB2 Human

Description: CIB2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 207 amino acids (1-187a.a.) and having a molecular mass of 23.8kDa (Molecular weight on SDS-PAGE will appear higher). The CIB2 is purified by proprietary chromatographic techniques.

Catalog #:PKPS-275

For research use only.

Synonyms: Calcium and integrin-binding family member 2, Kinase-interacting protein 2, KIP 2, CIB2, KIP2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGNKQTIFTE EQLDNYQDCT
FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII QMPELRENPF KERIVAAFSE
DGEGLTFND FVDMFVLCE SAPRELKANY AFKIYDFNTD NFICKEDLEL TLARLTKSEL
DEEEVVLVCD KVIEEADLDG DGKLGFAFDE DMIKAPDFL STFHIRI.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The CIB2 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT, 100mM NaCl and 1mM PMSF.

Stability:

CIB2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

CIB2 is a member of the calcium and integrin-binding family. CIB2 is possibly a Ca²⁺-binding regulatory protein which interacts with DNA-dependent protein kinase catalytic subunit (DNA-PKcs). In the skeletal muscle, CIB2 co-localizes with the integrin alpha7B subunit at the sarcolemma and at the neuromuscular and myotendinous junctions. CIB2 is closely related to CIB1.

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