
Product Data Sheet

Product Name: CIB2 Human
 Cat. No.: GP22454
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Calcium and integrin-binding family member 2; Kinase-interacting protein 2; KIP 2; CIB2; KIP2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGNKQTIFTE EQLDNYQDCT FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII QMPELRENPF KERIVAAFSE DGEGNLTFND FVDMFSVLCE SAPRELKANY AFKIYDFNTD NFICKEDLEL TLARLTKSEL DEEEVVLVCD KVIEEADLDG DGKLGFAFE DMIKAPDFL STFHIRI.		
Formulation	The CIB2 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT, 100mM NaCl and 1mM PMSF.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CIB2 Human Recombinant fused with a20 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

Caution: Product has not been fully validated for medical applications. For research use only.

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appear higher). The CIB2 is purified by proprietary chromatographic techniques.

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