
Product Data Sheet

Product Name: CIB1 Human
 Cat. No.: GP22453
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Calcium and integrin-binding protein 1; Calmyrin; DNA-PKcs-interacting protein; Kinase-interacting protein; SNK-interacting protein 2-28; SIP2-28; CIB1; CIB; KIP; PRKDCIP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGGSGSRLSK ELLAEYQDLT FLTKQEILLA HRRFCELLPQ EQRTVESSLR AQVPFEQILS LPELKANPFK ERICRVFSTS PAKDSLSFED FLDLLSVFSD TATPDIKSHY AFRIFDFDDD GTLNREDLSR LVNCLTGEGE DTRLSASEMK QLIDNILEES DIDRDGTINL SEFQHVISRS PDFASSFKIV L.		
Formulation	The CIB1 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8 & 5mM DTT.		

Introduction

CIB1 (Calcium and integrin binding 1) is regulatory protein with 50% homology to calmodulin and calcineurin B, that encodes a member of the calcium-binding protein family. CIB1 interacts with DNA-dependent protein kinase and may play a role in kinase-phosphatase regulation of DNA end joining. Also CIB1 is widely expressed and binds to a number of effectors, such as integrin β IIb, PAK1, and polo-like kinases, in different tissues.

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 0.1% HSA or BSA. Avoid multiple freeze-thaw cycles.

Background

CIB1 Human Recombinant is a single, non-glycosylated polypeptide chain (aa 1-191)

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

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containing a total of 211 amino acids and having a molecular mass of 23 kDa. CIB1 is fused to a 20 a.a His-tag and it was purified by conventional column chromatographic techniques.

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