

## 32-2971: CIB1 Recombinant Protein

**Alternative Name :** 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.

### Description

Source : Escherichia Coli. CIB1 Human Recombinant is a single, non-glycosylated polypeptide chain (aa 1-191) 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. 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 IIb, PAK1, and polo-like kinases, in different tissues.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The CIB1 protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8 & 5mM DTT.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGGSGSRLSK ELLAEYQDLT FLTKQEILLA HRRFCELLPQ EQRTVESSLR AQVPFEQILS LPELKANPFK ERICRVFSTS PAKDLSLFED FLDLLSVFSD TATPDIKSHY AFRIFDFDDD GTLNREDLSR LVNCLTGEGE DTRLSASEMK QLIDNILEES DIDRDGTINL SEFQHVISRS PDFASSFKIV L.