

Recombinant human CIB1 protein

Catalog Number: CIB0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-191aa

UniProt No.

Q99828

NCBI Accession No.

NP_006375

Alternative Names

Calcium and integrin binding 1, CIB, KIP (Kinase interacting protein), SIP2-28(SNK interacting protein2-28), CALMYRIN, CIB1, Calcium and integrin binding 1 Calcium and integrin binding 1 (calmyrin), Calcium and integrin binding protein 1, CIB, DNA PKcs interacting protein, Human Snk interacting protein 2 to 28 mRNA complete cds, Kinase interacting protein, PRKDCIP, SIP2 28, SNK interacting protein 2 to 28.

PRODUCT SPECIFICATION

Molecular Weight

23 kDa (211aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CIB, KIP (Kinase interacting protein), SIP2-28 (SNK interacting protein2-28), CALMYRIN Description: 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. The specific function of this protein has not yet been determined;

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however this protein is known to interact 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 alpha IIb, PAK1, and polo-like kinases, in different tissues. Recombinant human CIB1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGGSGSRLSK ELLAEYQDLT FLTKQEILLA HRRFCELLPQ EQRTVESSLR AQVPFEQILS
LPELKANPFK ERICRVFSTS PAKDSLSEFED FLDLLSVFSD TATPDIKSHY AFRIFDFDDD GTLNREDLSR LVNCLTGEGE
DTRLSASEMK QLIDNILEES DIDRDGTINL SEFQHVISRS PDFASSFKIV L

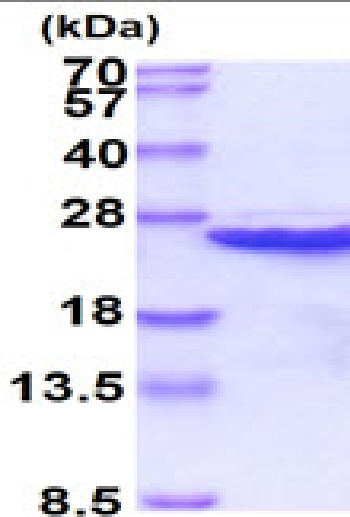
General References

Yuan W , et al , (2006). Mol Cell Biochem. 26(22): 8507

Yuan , et al , (2006). J Cell Biol. 172(2) :169-75

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)