

AR09009PU-L

Recombinant human CIB1 (aa 1-191), His-tagged

Alternate names:

CIBP, Calcium and integrin-binding protein 1, Calmyrin, DNA-PKcs-interacting protein, KIP, Kinase-interacting protein, PRKDCIP, SIP2-28, SNK-interacting protein 2-28

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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; 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 α IIb, PAK1, and polo-like kinases, in different tissues.

Uniprot ID:

[Q99828](#)

NCBI:

[NP_006375.2](#)

GeneID:

[10519](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% pure by SDS PAGE

Buffer System: 20 mM Tris pH 8.0, 5 mM DTT

Description:

Recombinant Human CIB1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGGSGSRLSK ELLAEYQDLT FLTKQEILLA HRRFCELLPQ
EQRTVESSLR AQVPFEQILS LPELKANPFK ERICRVFSTS PAKDSLSFED FLDLLSVFSD
TATPDIKSHY AFRIQDFDDD GTLNREDLSR LVNCLTGECE DTRLSASEMK QLIDNILEES
DIDRDGTINL SEFQHVISR S PDFASSFKIV L

Molecular weight: 23 kDa 23 kDa (211 aa), confirmed by MALDI-TOF.

Add. Information:

NCBI Accession : NP_006375

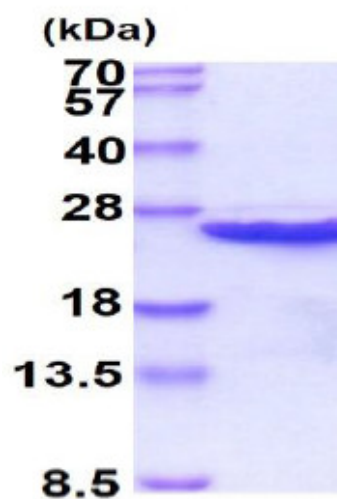
Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

Yuan W , et al , (2006). Mol Cell Biochem. 26(22) : 8507.
Yuan , et al , (2006). J Cell Biol. 16;172(2) :169-75.

Pictures:



15% SDS-PAGE (3ug)