

CIB1 recombinant protein

CIB1, 1-191aa, Human, His tag, E Coli

CATALOG # AAA48478	HOST E Coli	APPLICATIONS SDS-Page
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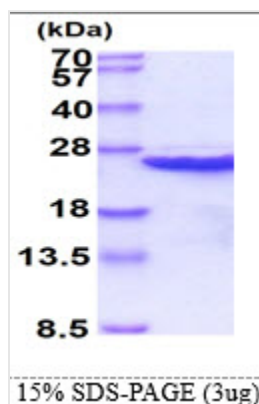
PRODUCT SYNONYMS

CIB1; 1-191aa; Human; His tag; E Coli; Calcium and integrin binding 1; CIB; KIP (Kinase interacting protein); SIP2-28 (SNK interacting protein2-28); CALMYRIN; Calcium and integrin binding 1 Calcium and integrin binding 1 (calmyrin); Calcium and integrin binding protein 1; 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.; CIB1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris pH 8.0, 5mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGGSGSRLSK ELLAEYQDLT FLTKQEILLA HRRFCELLPQ EQRTVESSLR AQVPFEQILS LPELKANPFK ERICRVFSTS PAKDSLSEFD FLDLLSVFSD TATPDIKSHY AFRIFDFDDD GTLNREDLSR LVNCLTGEGE DTRLSASEMK QLIDNILEES DIDRDGTINL SEFQHVISRS PDFASSFKIV L
Sequence Length	191
Applicable Applications for CIB1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CIB1 recombinant protein	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; 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.
Product Categories/Family for CIB1 recombinant protein	Signal Transduction
References	Yuan W, et al, (2006). Mol Cell Biochem. 26 (22): 8507; Yuan, et al, (2006). J Cell Biol. 172 (2) :169-75

NCBI AND UNIPROT INFORMATION

NCBI GI #	163644313
NCBI GeneID	10519
NCBI Accession #	NP_006375
NCBI GenBank Nucleotide #	NM_006384.3
UniProt Accession #	Q99828; O00693; O00735; Q6IB49; Q96J54; Q99971; B5BU40; H6WJF3
Molecular Weight	23kDa (211aa), confirmed by MALDI-TOF.
NCBI Official Full Name	calcium and integrin-binding protein 1 isoform b
NCBI Official Synonym Full Names	calcium and integrin binding 1
NCBI Official Symbol	CIB1
NCBI Official Synonym Symbols	CIB; CIBP; KIP1; PRKDCIP; SIP2-28
NCBI Protein Information	calcium and integrin-binding protein 1
UniProt Protein Name	Calcium and integrin-binding protein 1
UniProt Gene Name	CIB1
UniProt Synonym Gene Names	CIB; KIP; PRKDCIP; CIB; CIBP; KIP; SIP2-28

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.