

Recombinant Human CIB2, His-tagged

Cat. No. CIB2-27244TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human CIB2 with a N terminal His tag; 207aa, 23.8kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	187 amino acids
Description	The amino acid sequence the protein encoded by this gene is similar to that of KIP/CIB, calcineurin B, and calmodulin. This suggests that the encoded protein may be a Ca ²⁺ -binding regulatory protein that interacts with DNA-dependent protein kinase catalytic subunit (DNA-PKcs).
Conjugation	HIS
Molecular Weight	23.800kDa inclusive of tags
Tissue specificity	Ubiquitous.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM

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	Sodium chloride, 1mM PMSF, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGNKQTIFTE EQLDNYQDCT FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII QMPELRENPFKERIVAASFSE DGEGLNLTfND FVDMFsvLCE SAPRELKANY AFKIYDFNTD NFICKEDLEL TLARLTkSEL DEEEVVLVCD KVIEEADLDGDGKLGFADFE DMIKAPDFL STFHIRI
Sequence Similarities	Contains 3 EF-hand domains.

GENE INFORMATION

Gene Name	CIB2 calcium and integrin binding family member 2 [Homo sapiens]
Official Symbol	CIB2
Synonyms	CIB2; calcium and integrin binding family member 2; calcium and integrin-binding family member 2; KIP2;
Gene ID	10518
mRNA Refseq	NM_006383
Protein Refseq	NP_006374
MIM	605564
Uniprot ID	O75838

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Chromosome Location	15q24
Function	calcium ion binding;