

## Product datasheet for **AR09849PU-L**

### CIB2 (1-187, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CIB2 (1-187, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGNKQTIFTE EQLDNYQDCT FFNKKDILKL HSRFYELAPN LVPMDYRKSP IVHVPMSLII QMPELRENPF KERIVAAFSE DGEGNLTFND FVDMFVLCE SAPRELKANY AFKIYDFNTD NFICKEDLEL TLARLTKSEL DEEEVWLCD KVIEEADLDG DGKLGADF DMIAKAPDFL STFHIRI
Tag:	His-tag
Predicted MW:	23.8 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 100 mM NaCl, 1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CIB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_001258817</a></u>
Locus ID:	10518
UniProt ID:	<u><a href="#">O75838</a></u>
Cytogenetics:	15q25.1
Synonyms:	DFNB48; KIP2; USH1J



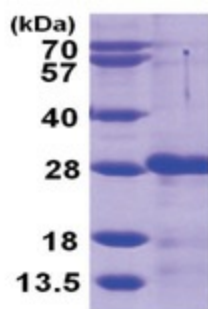
[View online »](#)

**Summary:**

The protein encoded by this gene is similar to that of KIP/CIB, calcineurin B, and calmodulin. The encoded protein is a calcium-binding regulatory protein that interacts with DNA-dependent protein kinase catalytic subunits (DNA-PKcs), and it is involved in photoreceptor cell maintenance. Mutations in this gene cause deafness, autosomal recessive, 48 (DFNB48), and also Usher syndrome 1J (USH1J). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

**Protein Families:**

Druggable Genome

**Product images:**

15% SDS-PAGE (3ug)