

Datasheet for ABIN7317350 CIB2 Protein (His tag)



Overview

100 µg
CIB2
Human
Escherichia coli (E. coli)
Recombinant
This CIB2 protein is labelled with His tag.
Recombinant Human CIB2/KIP-2 Protein (His Tag)
Met 1-Ile 187
A DNA sequence encoding the mature form of human CIB2 (075838) (Met 1-Ile 187) was expressed, with a polyhistide tag at the N-terminus.
 > 75 % as determined by reducing SDS-PAGE.
CIB2
CIB2/KIP-2 (CIB2 Products)
Background: Calcium and integrin-binding protein 2 (CIB2) belongs to a protein family with four
known members, CIB1 through CIB4, which are characterized by multiple calcium-binding EF-
hand domains. Sensorineural hearing loss is genetically heterogeneous. The mutations in CIB2,
which encodes a calcium- and integrin-binding protein, are associated with nonsyndromic

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/2 | Product datasheet for ABIN7317350 | 07/25/2024 | Copyright antibodies-online. All rights reserved.

	deafness (DFNB48) and Usher syndrome type 1J (USH1J). Furthermore, in zebrafish and
	Drosophila melanogaster, CIB2 is essential for the function and proper development of hair
	cells and retinal photoreceptor cells. We also show that CIB2 is a new member of the vertebrate
	Usher interactome. Variants in CIB2 can underlie either Usher syndrome type I (USH1J) or
	nonsyndromic hearing impairment (NSHI) (DFNB48). CIB2 is widely expressed in various
	human and animal tissues, mainly in skeletal muscle, nervous tissue, inner ear, and retina. The
	CIB2 protein is responsible for maintaining Ca(2+) homeostasis in cells and interacting with
	integrins-transmembrane receptors essential for cell adhesion, migration, and activation of
	signaling pathways. Calcium signaling pathway is crucial for signal transduction in the inner
	ear, and integrins regulate hair cell differentiation and maturation of the stereocilia.
	Synonym: DFNB48,KIP2,USH1J
Molecular Weight:	23.1 kDa
UniProt:	075838
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 20 % glycerol, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.