

Product datasheet for SC330995

CIB2 (NM_001271888) Human Untagged Clone

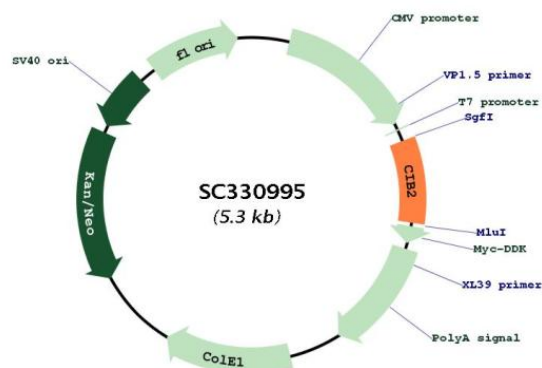
Product data:

Product Type:	Expression Plasmids
Product Name:	CIB2 (NM_001271888) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIB2
Synonyms:	DFNB48; KIP2; USH1J
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330995 representing NM_001271888. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGACTACAGGAAGAGCCCCATCGTCCACGTGCCATGAGCCTCATCATCCAGATGCCAGACTCCGG
GAGAATCCCTTCAAAGAAAGGATCGTGGCGCGTTTTCCGAGGATGGTGAGGGGAACCTCACTTTCAAC
GACTTTGTGGACATGTTTTCCGTGCTCTGCGAGTCGGCTCCCCGAGAGCTCAAGGCAAATATGCCTTC
AAGATCTATGACTTCAACACTGACAACCTCATCTGCAAGGAGGACCTGGAGCTGACGCTGCCCCGGCTC
ACTAAGTCAGAGCTGGATGAGGAGGAGGTGGTGTGTGTGCGACAAGGTCATTGAGGAGGCTGACTTG
GACGGTGACGGCAAGCTGGGCTTTGCTGACTTCGAGGACATGATTGCCAAGGCCCTGACTTCTCAGC
ACTTTCCACATCCGGATCTGA
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Restriction Sites: SgfI-MluI

Plasmid Map:



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ACCN:	NM_001271888
Insert Size:	435 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001271888.1
RefSeq Size:	1588 bp
RefSeq ORF:	435 bp
Locus ID:	10518
UniProt ID:	O75838
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome
MW:	16.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1.</p>