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Product datasheet for SC334352

CIB2 (NM_001301224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIB2 (NM_001301224) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIB2
Synonyms:	DFNB48; KIP2; USH1J
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301224, the custom clone sequence may differ by one or more nucleotides

ATGGGGAACAAGCAGACCATCTTCACCGAAGAGCAGCTAGACAACTACCAGGACTGCACCTTCTTCAATA
AGAAGGACATCCTCAAATGGGGAAACCGAGGCTCAGAGGGATTTGGTCACTCCTCCAGGGTCACACAGGC
TGTCCACAGTCTGGCTCCGGGGCCCTCCTGCTTATCCTGCACCCACAGTGATTGCTGTGTGTGTTTTCTT
CAGGAGAATCCCTTCAAAGAAAGGATCGTGGCGGCGTTTTCCGAGGATGGTGAGGGGAACCTCACTTTCA
ACGACTTTGTGGACATGTTTTCCGTGCTCTGCGAGTCGGCTCCCCGAGAGCTCAAGGCAAACTATGCCTT
CAAGATCTATGACTTCAACACTGACAACTTCATCTGCAAGGAGGACCTGGAGCTGACGCTGGCCCGGCTC
ACTAAGTCAGAGCTGGATGAGGAGGAGGTGGTGCTTGTGTGCGACAAGGTCATTGAGGAGGCTGACTTGG
ACGGTGACGGCAAGCTGGGCTTTGCTGACTTCGAGGACATGATTGCCAAGGCCCCTGACTTCCTCAGCAC
TTTCCACATCCGGATCTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001301224
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).

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Reconstitution Method:	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_001301224.1, NP_001288153.1
RefSeq Size:	1638 bp
RefSeq ORF:	579 bp
Locus ID:	10518
UniProt ID:	O75838
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome
Gene 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] Transcript Variant: This variant (4) lacks an alternate exon and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (4) is longer than isoform 1.