

Product datasheet for **RG236458**

CIB2 (NM_001301224) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CIB2 (NM_001301224) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CIB2
Synonyms: DFNB48; KIP2; USH1J
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236458 representing NM_001301224.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACAAGCAGACCATCTTCACCGAAGAGCAGCTAGACAACACCAGGACTGCACCTTCTTCAAT
AAGAAGGACATCCTCAAATGGGGAACCGAGGCTCAGAGGGATTGGTCACTCCTCCAGGGTCACACAG
GCTGTCCACAGTCTGGCTCCGGGGCCCTCTGCTTATCCTGCACCCACAGTGATTGCTGTGTGTTTT
CTTCAGGAGAATCCCTTCAAAGAAAGGATCGTGGCGGCGTTTTCCGAGGATGGTGAGGGAACTCACT
TTCAACGACTTTGTGGACATGTTTTCCGTGCTCTGCGAGTCGGCTCCCCGAGAGCTCAAGGCAAATAT
GCCTTCAAGATCTATGACTTCAACTGACAATTCATCTGCAAGGAGGACCTGGAGCTGACGCTGGCC
CGGCTCACTAAGTCAGAGCTGGATGAGGAGGAGGTGGTGTGTTGTGCGACAAGGTCATTGAGGAGGCT
GACTTGGACGGTGACGGCAAGCTGGGCTTTGCTGACTTCGAGGACATGATTGCCAAGGCCCTGACTTC
CTCAGCACTTTCCACATCCGGATC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236458
Blue=ORF Red=Cloning site Green=Tag(s)

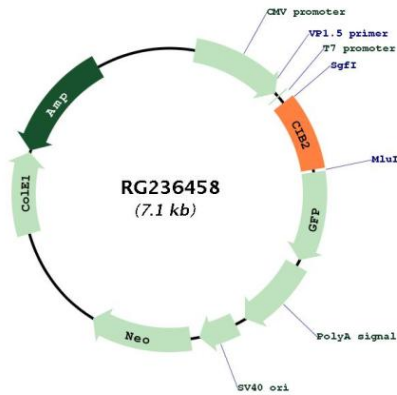
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MGNKQIFTEEQLDNYQDCTFFNKKDILKWGNRGSEGFHSSRVTAQVHSLAPGPSCLSTHSDCCVCF
LQENPFKERIVAAFSDEGEGNLTFNDFVDMFVSLCESAPRELKANYAFKIYDFNTDNFICKEDLELTLA
RLTKSELDEEEVVLVCDKVEEADLDGDKLGFADFEDMIKAPDFLSTFHIRI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLVHSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: SgfI-MluI



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]

Product images:


Circular map for RG236458