

## Product datasheet for **RG201591**

### **CIB1 (NM\_006384) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CIB1 (NM\_006384) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CIB1  
**Synonyms:** CIB; CIBP; KIP1; PRKDCIP; SIP2-28  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG201591 representing NM\_006384  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGGGCTCGGGCAGTCGCCTGTCCAAGGAGCTGCTGGCCGAGTACCAGGACTTGACGTTCTGACGA  
 AGCAGGAGATCCTCCTAGCCACAGGCGGTTTTGTGAGCTGCTTCCCAGGAGCAGCGGAGCGTGGAGTC  
 GTCACCTTCGGGCACAAGTGCCCTTCGAGCAGATTCTCAGCCTCCAGAGCTCAAGCCAACCCCTTCAAG  
 GAGCGAATCTGCAGGGTCTTCTCCACATCCCAGCCAAAGACAGCCTTAGCTTTGAGGACTTCTGGATC  
 TCCTCAGTGTGTTCAGTGACACAGCCACGCCAGACATCAAGTCCCATTATGCCTTCGCATCTTTGACTT  
 TGATGATGACGGAACCTTGAACAGAGAAGACCTGAGCCGGCTGGTGAAGTGCCTCACGGGAGAGGGCGAG  
 GACACACGGCTTAGTGCCTCTGAGATGAAGCAGCTCATCGACAACATCCTGGAGGAGTCTGACATTGACA  
 GGGATGGAACCATCAACCTCTCTGAGTTCAGCAGCTCATCTCCCGTTCTCCAGACTTTGCCAGCTCCTT  
 TAAGATTGTCCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201591 representing NM\_006384  
 Red=Cloning site Green=Tags(s)

MGGSGSRLSKELLA EYQDLTFLTKQEILLAHRRFCCELLPQEQRSVESLRAQVPFEQILSLPELKANPFK  
 ERICRVFSTSPAKDSL SFEDFLDLLSVFSDATPDIKSHYAFRI FDFDDDGTLNREDLSRLVNCLTGEGE  
 DTRLSASEMKQLIDNILEESDIDRDGTINLSEFQHVISRSPDFASSFKIVL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_006384

**ORF Size:** 573 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_006384.4](#)

**RefSeq Size:** 905 bp

**RefSeq ORF:** 576 bp

**Locus ID:** 10519

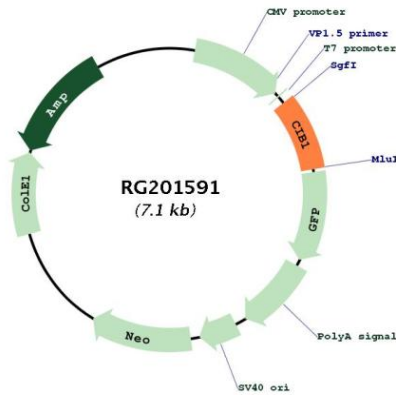
**UniProt ID:** [Q99828](#)

**Cytogenetics:** 15q26.1

**Domains:** EFh

**Gene Summary:** This gene encodes a member of the EF-hand domain-containing calcium-binding superfamily. The encoded protein interacts with many other proteins, including the platelet integrin alpha-IIb-beta-3, DNA-dependent protein kinase, presenilin-2, focal adhesion kinase, p21 activated kinase, and protein kinase D. The encoded protein may be involved in cell survival and proliferation, and is associated with several disease states including cancer and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]

**Product images:**



Circular map for RG201591