

Product datasheet for **SC116165**

CIB1 (NM_006384) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIB1 (NM_006384) Human Untagged Clone
Tag:	Tag Free
Symbol:	CIB1
Synonyms:	CIB; CIBP; KIP1; PRKDCIP; SIP2-28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116165 sequence for NM_006384 edited (data generated by NextGen Sequencing)

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ATGGGGGGCTCGGGCAGTCGCCTGTCCAAGGAGCTGCTGGCCGAGTACCAGGACTTGACG
TTCCTGACGAAGCAGGAGATCCTCCTAGCCCACAGGCGGTTTTGTGAGCTGCTTCCCCAG
GAGCAGCGGAGCGTGGAGTCGTCACTTCGGGCACAAGTGCCCTTCGAGCAGATTCTCAGC
CTTCCAGAGCTCAAGGCCAACCCCTTCAAGGAGCGAATCTGCAGGGTCTTCTCCACATCC
CCAGCCAAAGACAGCCTTAGCTTTGAGGACTTCCTGGATCTCCTCAGTGTGTTCAGTGAC
ACAGCCACGCCAGACATCAAGTCCCATTATGCCTTCCGCATCTTTGACTTTGATGATGAC
GGAACCTTGAACAGAGAAGACCTGAGCCGGCTGGTGAAGTGCCTCACGGGAGAGGGCGAG
GACACACGGCTTAGTGCGTCTGAGATGAAGCAGCTCATCGACAACATCCTGGAGGAGTCT
GACATTGACAGGGATGGAACCATCAACCTCTCTGAGTTCCAGCAGTCATCTCCCGTTCT
CCAGACTTTGCCAGCTCCTTTAAGATTGCCTGTGA
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Clone variation with respect to NM_006384.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006384 unedited GTCGCCATTTGTNATACGACTCACTTATAGGGCGGCCGCGATTCCGGCACGAGGGTCTCGA GGCGAGTTGGCGGAGCTGTGCGCGCGCGGGGCGATGGGGGGCTCGGGCAGTCGCCTGTC CAAGGAGCTGCTGGCCGAGTACCAGGACTTGACGTTTCTGACGAAGCAGGAGATCCTCCT AGCCCACAGGCGGTTTTGTGAGCTGCTTCCCAGGAGCAGCGGAGCGTGGAGTCGTCCT TCGGGCACAAGTGCCTTCGAGCAGATTCTCAGCCTTCCAGAGCTCAAGGCCAACCCCTT CAAGGAGCGAATCTGAGGGTCTTCTCCACATCCCCAGCCAAAGACAGCCTTAGCTTTGA GGACTTCTGGATCTCCTCAGTGTTCAGTGACACAGCCACGCCAGACATCAAGTCCCA TTATGCCTTCCGCATCTTTGACTTTGATGATGACGGAACCTTGAACAGAGAAGACCTGAG CCGGCTGGTGAAGTGCCTCACGGGAGAGGGCGAGGACACACGGCTTAGTGCCTGAGAT GAAGCAGCTCATCGACAACATCCTGGAGGAGTCTGACATTGACAGGGATGGAACCATCAA CCTCTCTGAGTTCAGCAGCTCATCTCCCGTTCTCCAGACTTTGCCAGCTCCTTTAAGAT TGTCTGTGACAGCAGCCCCAGCGTGTCTGTACCCTGTCCAAGAACCTTTCTACTG CTGAGCTGTGGCCAAGGCAAGCCTGTGTTGCCAGTGGGGCCAGCTGCCCCACCCTGG AGCTGGCGCTGTGCAGCCTCACCCGGGAGGGGCGGCCTCTGTTGTAGGGCCTCTCCT CACTGCTGTGGGCAATGCTCCGCTTGGGTGTGGNCCTACTCAGTAATTAAGGTTAAAA GGTTGAAAATAAAAAAAAAAAAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006384 unedited CTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAACTTCTAAACCTTTATTACTGATTAGTA CAAACACAAACGGAGCAATGACAACAGCAGTGAGGAGAGGCCCTGACAACGAGGGCCGCC CCTGCCCGGGGTGAGGCTGCACAGCGCCAGCTCCAGGCTGGGCCAGCTTGGCCCGCACTG GCAACACAGGCTTGACCTTGCCACAGCTCAGCAGTAAAAAGGTTCTTGGACAGGGTGCC AGGACACACGCTGGGGCTGCTGTACAGGACAATCTTAAAGGAGCTGGCAAAGTCTGGAG AACGGGAGATGACGTGCTGGAACCTCAAAGAGGTTGATGGTTCCATCCCTGTCAATGTCAG ACTCCTCCAGGATGTTGTGATGAGCTGCTTATCTCAGACGCTAAGCCGTGTGTCCT CGCCCTCTCCCGTGGAGCAGTTCACCAGCCGGCTCAGGCTTCTCTGTTCAAGGTTCCGT CATCATCAAAGTCAAAGTGCAGGAGGCAATGAGGACTGATGTCTGGCGTGGCTGTGT CACTGAACACACCTGAGGAGATCCAGGAAGTCTTAAAGCTAAGGCTGCCTCTGGCTGG GGATGTGGAGACGACCCTGAGATCCGCTCCTTGAAGGGTTGCCCTCGAGCTCTTGAACG CTGAGATCCGCTTGAAGGGCCTTGTGCCCAAATGACAACCTCACCCCTCCGTTGCTCCT GGGAAAAAATTACAAAACCGGCTGGTGGTTAGGAGGAACCTTTTGTCTCCAGGACCCG CAGTTCTGGTTTTGCCACGACATTCTGTCCAGCGATTGGCCACCCCAATTTCTCTC CGCCTTAATTCGCCCCCGCCCAACCCCTTGTCTAATCCGCCCTCCCACTGAGCC GCTTACAAATCCTCCAGAACTCACCACGCTTCTACTCCACAACACGTACCCCAACC ATCACTTCAACAGGACCGAGACTTCCCACTCCGAATCACCATATCTCCGCGATACACCA GCCTACTATCCTGGAGA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006384
Insert Size:	870 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:

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_006384.2](#), [NP_006375.1](#)

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]

Transcript Variant: This variant (b) uses an alternate splice site in the coding region, compared to variant a. The encoded isoform (b, also known as CIB1) is shorter, compared to isoform a.