

Product datasheet for RC236760

CIB1 (NM_001277764) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CIB1 (NM_001277764) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CIB1
Synonyms:	CIB; CIBP; KIP1; PRKDCIP; SIP2-28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236760 representing NM_001277764 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGGGCTCGGGCAGTCGCTGTCCAAGGAGCTGCTGGCCGAGTACCAGGACTTGACGTTCTGACGA
 AGCAGGAGATCCTCCTTTCTGTGTACGTGGTTTTAGCTCCTCACCTGGTTGACAATGAGCAGCAGGCAAG
 GAGTGGGAATGAACACACAGGGAGACCGATCGCTGAGAACACCGACAGTCCCCTCTCTACCAGAGCC
 CACAGGCGGTTTTGTGAGCTGCTCCCCAGGAGCAGCGGAGCGTGGAGTCGTCACCTCGGGCACAAGTGC
 CCTTCGAGCAGATTCTCAGCCTTCCAGAGCTCAAGGCCAACCCTTCAAGGAGCGAATCTGCAGGCTCTT
 CTCCACATCCCCAGCCAAAGACAGCCTTAGCTTTGAGGACTTCCTGGATCTCCTCAGTGTGTTTCAGTGAC
 ACAGCCACGCCAGACATCAAGTCCCATATGCCTTCCGCATCTTTGACTTTGATGATGACGGAACCTTGA
 ACAGAGAAGACCTGAGCCGGCTGGTGAAGTGCCTCACGGGAGAGGGCGAGGACACACGGCTTAGTGCGTC
 TGAGATGAAGCAGCTCATCGACAACATCCTGGAGGAGTCTGACATTGACAGGGATGGAACCATCAACCTC
 TCTGAGTTCAGCACGTCATCTCCCGTTCTCCAGACTTTGCCAGCTCCTTTAAGATTGTCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC236760 representing NM_001277764
Red=Cloning site Green=Tags(s)

MGGSGSRLSKELLAQDLTFLTKQEILLSVYVVLAPHLVDNEQQARSGNEHTGRPIAENTDSSPLSTRA
HRRFCELLPQEQRSVSSLRAQVPFEQILSLPELKANPFKERICRVFSTSPAKDSLSEDFDLDSVFS
TATPDIKSHYAFRIFDFDDGTLNREDLSRLVNCLTGEDTRLASSEMQLIDNILEESDIDRDGTINL
SEFQHVISRSPDFASSFKIVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001277764

ORF Size: 693 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001277764.1](#), [NP_001264693.1](#)

RefSeq Size: 1104 bp

RefSeq ORF: 696 bp

Locus ID: 10519

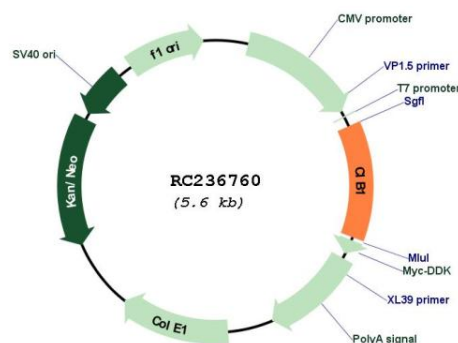
UniProt ID: [Q99828](#)

Cytogenetics: 15q26.1

MW: 26.5 kDa

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 RC236760