

Product datasheet for **RG216582**

CIB3 (NM_054113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CIB3
Synonyms:	KIP3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216582 representing NM_054113
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAACAAGCAGACAGTCTTCACACACGAGCAGCTGGAAGCGTATCAGGACTGCACATTTTTCACAA
GGAAGGAGATCATGAGGCTCTTCTATCGCTACCAGGACCTGGCCCCACAGCTCGTCCCTCGACTATAC
CACCTGCCCGATGTGAAGGTGCCCTACGAGCTCATTGGCAGCATGCCCGAGCTGAAGGACAACCCCTTC
CGCCAGAGGATTGCCAGGTATTCTCTGAGGATGGGATGGCCACATGACCCTGGACAATTTTGGACA
TGTTTTCCGTGATGAGTGAATGGCTCCCGCGACCTCAAGGCTTACTATGCTTTTAAATTTATGATTT
TAACAACGACGACTACATTTGTGCGTGGGACCTGGAGCAGACGGTGACCAAACTGACGCGGGGGAGCTG
AGTGCCGAGGAGGTGAGCCTGGTATGTGAGAAGGTGCTGGATGAGGCTGATGGAGACCATGATGGCGGC
TGTCCTGGAAGATTTCCAGAACATGATCCTCCGGGCACCAGACTTCTCAGCACCTCCACATCCGAAT
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216582 representing NM_054113
Red=Cloning site Green=Tags(s)

MGNKQTVTFHEQLEAYQDCTFFTRKEIMRLFYRYQDLAPQLVPLDYTTCPDVKVPYELIGSMPELKDNPF
RQRIAQVFSEDGDGHMTLDNFDLDMFSVMSEMAPRDLKAYYAFKIYDFNNDYICAWDLEQTVTKLTRGEL
SAEEVSLVCEKVLDEADGDHGRSLSEDFQNMILRAPDFLSTFHIRI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_054113

ORF Size: 561 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.

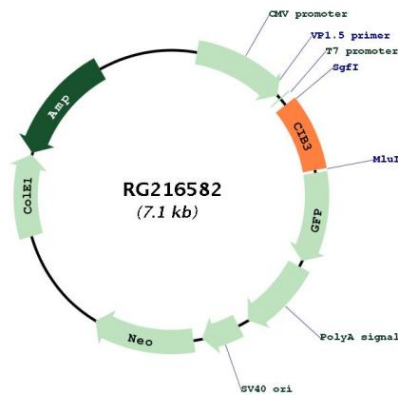
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_054113.2](#), [NP_473454.1](#)

RefSeq Size: 661 bp

RefSeq ORF:	564 bp
Locus ID:	117286
UniProt ID:	Q96Q77
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome
Gene Summary:	This gene product shares a high degree of sequence similarity with DNA-dependent protein kinase catalytic subunit-interacting protein 2 in human and mouse, and like them may bind the catalytic subunit of DNA-dependent protein kinases. The exact function of this gene is not known. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG216582