

Product datasheet for **RG214352**

CCNB1IP1 (NM_021178) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCNB1IP1 (NM_021178) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCNB1IP1
Synonyms:	C14orf18; HEI10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214352 representing NM_021178 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTACTGCGTTTTTCTTTTATGCTCTCTTCAGCTTCTGGAGACCTCACTATCCTATTATGCTTTGT
GTGAAGACATGCTGTTTGAATTATCGAAAGTGTGCGATCAAACCTCTGGCTATGCATGGGCTACTGC
CTGCTCACATCTTCTGTGATCAGCATGGCAGTGGTGTAGTTTAGTCGCTCACCAGCTATCTGCTGCTGCC
TGCAACAGTACCCTTTCTGGAAAGCTAGATATTGTCCGCACAGAAGCTCAGTCCATCAGAGGAATATAAAG
CTATGGTATTGGCAGGACTGCGACCAGAGATCGTGTGGACATTAGCTCCCGAGCGCTGGCCTTCTGGAC
ATATCAGGTACATCAGGAACGTCTCTATCAAGAATACAATTTTCAGCAAGGCTGAGGGCCATCTGAAACAG
ATGGAGAAGATATACTCAGCAAAATACAAGCAAGGATGTAGAATTGACCTCTATGAAAGGGGAGGTTA
CCTCCATGAAGAAAGTACTAGAAGAATACAAGAAAAAGTTCAGTGACATCTCTGAGAACTTATGGAGCG
CAATCGTCAGTATCAAAAAGCTCCAAGGCCTCTATGATAGCCTTAGGCTACGAAACATCACTATTGCTAAC
CATGAAGGCACCCTTGAACCATCCATGATTGCACAGTCTGGTGTCTTGGCTTCCATTAGGTAACAACT
CCAAGTTTCCTTTGGATAATACACCTGTTTCAAATCGGGCGATGGAGATGGAGATTTTCAGTTCAGACC
ATTTTTGCGGGTCTCCACAGCACCTGAACCCAGCAACAGCTTTTTAGTTTTGTCTCTCCAAGTCGT
GAATTAGAGCAGCAGCAAGTTTCTAGCAGGGCCTCAAAGTAAAAAGAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214352 representing NM_021178
Red=Cloning site Green=Tags(s)

MSTAFFFYALFSFWRPHYPIMSLCEDMLLCNYRKRIKLSGYAWVTACSHIFCDQHGSGEFSRSPAICPA
 CNSTLSGKLDIVRTELSPSEEYKAMVLAGLRPEIVLDISSRALAFWTYQVHQERLYQEYNFSKAEGHLKQ
 MEKIYTQQIQSKDVELTSMKGEVTSMKKVL EEYKKKFSDISEKLMERNRQYQKLQGLYDSLRLRNITIAN
 HEGTLEPSMIAQSGVLGFPLGNNSKFPLDNTPVNRNRGDGDGDFQFRPFFAGSPTAPEPSNSFFSFVSPSR
 ELEQQQVSSRAFKVKRI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021178

ORF Size: 891 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_021178.2](#), [NP_067001.2](#)

RefSeq Size: 1499 bp

RefSeq ORF: 834 bp

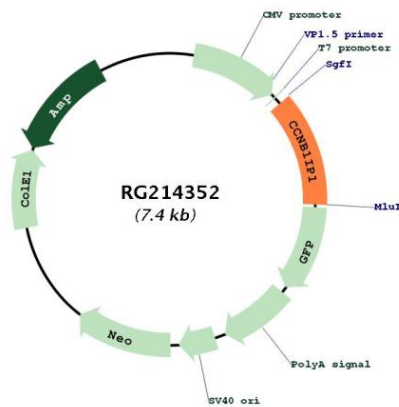
Locus ID: 57820

UniProt ID: [Q9NPC3](#)

Cytogenetics: 14q11.2

Gene Summary: HEI10 is a member of the E3 ubiquitin ligase family and functions in progression of the cell cycle through G(2)/M.[supplied by OMIM, Apr 2004]

Product images:



Circular map for RG214352