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Product datasheet for MC213064

Ccnb1ip1 (NM_001111119) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnb1ip1 (NM_001111119) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccnb1ip1
Synonyms:	Gm288; Hei10; mei4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC213064 representing NM_001111119 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCTTTGTGTGAAGACATGCTGCTTTGCAATTATCGGAAGTGTCGGATCAAGCTCTCTGGTTATGCTT GGGTCACTGCCTGTTCTCACATCTTCTGCGATCAGCACGGCAGCGGGGAGTTCAGTCGTTCACCAGCGAT CTGTCCTGCTTGCAACAGTACCCTTTCTGGAAAGCTAGATATTGTTCGAACAGAACTCAGTCCATCAGAG GAGTACAAAGCTATGGTATTGGCAGGGCTTCGCCCAGAGGTTGTTTTGGACATTAGCTCCCGGGCATTGG CCTTCTGGACATACCAGGTACACCAGGAGCGTCTCTATCAAGAGTATAATTTCAGCAAGGCCGAGAACCA CTTAAAACAGATGGAGAAGATGTATATGCAGCAAATACAGAGCAAGAATATAGAATTGACCTCTATGAAA GGGGAGGTTATTTCCATGAAGAAAGTTCTAGAAGAATACAAGAAAAAGTTTAGTGACATCTCTGAAAAAC TTATGGAGCGTAATCGCCAGTACCAAAAGCTCCAAGGCCTTTATGATAGCCTTAGGCTAAGAAATATCAC TATCGCCAGCCAAGAAGGCTCCCTGGAACCAGGTATGATCCCGCAGTCTGGAGTCTTTGGCTTCCCACCA GGGAATAACTCAAAGTTTTCTTTGGACCATATACCAGTTGGAAATCAAGGTGGTGGAGATGAAGATGTTC AGTTCAGACCATTTTTTGTGTGTTCTCCCACAGCGCCTGAACCCATTAACAACTTCTTTAGTTTTGCATC TCCAAGCCATGAAGCAGAGCAGCAAGTCTGCAGCAGGGCCTTTAAAGCAAAAAGAATTTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001111119
Insert Size:	831 bp

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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_001111119.1, NP_001104589.1
RefSeq Size:	1508 bp
RefSeq ORF:	831 bp
Locus ID:	239083
UniProt ID:	D3Z3K2
Cytogenetics:	14 C1
Gene Summary:	Ubiquitin E3 ligase that acts as a limiting factor for crossing-over during meiosis: required during zygonema to limit the colocalization of RNF212 with MutS-gamma-associated recombination sites and thereby establish early differentiation of crossover and non-crossover sites. Later, it is directed by MutL-gamma to stably accumulate at designated crossover sites. Probably promotes the dissociation of RNF212 and MutS-gamma to allow the progression of recombination and the implementation of the final steps of crossing over. Modulates cyclin-B levels and participates in the regulation of cell cycle progression through the G2 phase. Overexpression causes delayed entry into mitosis.[UniProtKB/Swiss-Prot Function]