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Product datasheet for MC204166

Rbx1 (NM_019712) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbx1 (NM_019712) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbx1
Synonyms:	1500002P15Rik; AA517855; ROC1
Vector:	PCMV6-Kan/Neo
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC027396 TCCAAAATGGCGGCGGCGATGGATGTGGATACCCCCAGCGGCACCAACAGCGGCGCGGGCAAGAAGCGCT TTGAAGTTAAAAAGTGGAATGCAGTGGCCCTCTGGGCCTGGGACATTGTGGTTGATAACTGTGCCATCTG CAGGAACCACATTATGGATCTTTGTATCGAATGTCAGGCCAACCAGGCGTCAGCTACTTCCGAAGAGTGT ACGGTTGCATGGGGAGTCTGCAACCATGCTTTTCATTTCCACTGCATCTCTCGATGGCTCAAAACGAGGC AGGTGTGTCCGTTGGACAACAGAGAGTGGGAGTTCCAGAAGTATGGGCATTAGGAAAGACTTTCCCGCAA GGCGTACCCATCTGTTACTCGTCTAGTGACTTCCTGTTAATTATACATTAGATAGAACCATGGTCCTTTT TCGTTCCTTTGTTTTTGGAGTTTGGTGTTCCCGCAGCCATATTGTATTTTGTGTCAAATAAAGCCTTTAA GTTGGAGGTGGTTGCTGTTTCATGTATGTGGAGAGTGATCTGAGAAGGAGCCAGAAAGCCAGAAAGGCAG CCTCAAGAAGTGCTCTGTTCTTAAGGAGAACACACTTGGCCCATGGGTTCATCTTCACAAGGTCACGAGG AACCTGTCAGAGTCGGGAGTGCGGGTAACTGGCACCTGGAAACCCCTCCAGCTCTGTCTTCCTTCTGAGA TAGCACCAGGCAGGAATGAGGAAGAACATGGCAGCCTTGGACCAGCCAGGTCTGCTCTGAGTTTTCATCT CATGATGGAGTCTAAGAACGAGTGACTGGCATCAAGTGGGCACAGGAAGGCTTTGTAAACTCTAAACACT ACAGGGTTAGCAGTGACTGTGAATGACATGCAGCAATCTCTAGAACAAAAGTTGACCCAAAAAATCGTAC TGTGTAATCTTGGCTGGCAATAAAGTCATCATAAAGTTCACCTGAAAACTGATGTTTGGACAGTTTGCAT ATATGCCTGTAATCCCAGGTACTTGGAAATTAGGTAAAGATCCTTTGAGTCCAGGAGACCTTGTTTCTAA AACAGAAATTCTAGTTTGGGGTCTAGGGGGCGCTGTAGCTCAGCTGTAAGGCCCCGTGTTCAATTGCTGG CATAAATTTCAAAAAAAGAAAAAGGTAGAAATTGAATTAGCAAGAGCTTAAGTTTTCTTTAAACATGCTG GCCAGGGCCAGGCAGTGGTGGTGCATGCCTTTAATCCCAACACTTGGGAGCCAGAGGCAGGCAGATTTCT GAGTTTGAGGCCAGCCTACAGAGTGAGTTTCAGGACAACCAGGGCTATATAAAGAAACCCTGTTGCCAAA AAAACAAAAACATGCCGGCCAGGGAAGGAGCGGCCATCCTGATGCTGGTTCAGTGGCTGTATTCTACCGA GACACCGTTTCTGTTGCTGTGGTTTTCATGTAGTTAACAGATCCTACAAAGGTCTTGAAATCCTTCAGGG GAGTTTTCCTTTCTCCGGTGCCACTACTTCAACTGTCTTCTGTTGTCAAGCAGAAAAAGATTGCAAAAAT GTGAAACAATGCTGTCATTCTTGTTTTCAAAGTTAATTTTAATAAAAATATTTATGTTAAAAAAAAAAAA AAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_019712

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Insert Size:	327 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:	BC027396, AAH27396
RefSeq Size:	1616 bp
RefSeq ORF:	327 bp
Locus ID:	56438
UniProt ID:	P62878
Cytogenetics:	15 E1
Gene Summary:	E3 ubiquitin ligase component of multiple cullin-RING-based E3 ubiquitin-protein ligase (CRLs) complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins, including proteins involved in cell cycle progression, signal transduction, transcription and transcription-coupled nucleotide excision repair (PubMed:22118460). CRLs complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins, ARIH1 mediating addition of the first ubiquitin on CRLs targets (By similarity). The functional specificity of the E3 ubiquitin-protein ligase complexes depends on the variable substrate recognition components (By similarity). As a component of the CSA complex promotes the ubiquitination of ERCC6 resulting in proteasomal degradation (By similarity). Through the RING-type zinc finger, seems to recruit the E2 ubiquitination enzyme, like CDC34, to the complex and brings it into close proximity to the substrate (By similarity). Probably also stimulates CDC34 autoubiquitination (By similarity). May be required for histone H3 and histone H4 ubiquitination in response to ultraviolet and for subsequent DNA repair (By similarity). Promotes the neddylation of CUL1, CUL2, CUL4 and CUL4 via its interaction with UBE2M (By similarity). Involved in the ubiquitination of KEAP1, ENC1 and KLHL41 (By similarity). In concert with ATF2 and CUL3, promotes degradation of KAT5 thereby attenuating its ability to acetylate and activate ATM (By similarity).[UniProtKB/Swiss-Prot Function]