

Product datasheet for MC200669

Rbm14 (BC010294) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbm14 (BC010294) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbm14
Synonyms:	p16K, Sytip, p16
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>BC010294
CTGCGGGTTCGTTTCGGACGTTTTGCCTGTGCTGTAGGAGAGGTCCTGTCTCTCCGAGAAGGCGGTTGCGG
CGGCAAAATGAAGATTTTTGTGGCAATGTCGATGGGGCGGATACGACACCGGAGGAGTTGGCAGCTCTC
TTCGCGCCCTATGGCACGGTCATGAGCTGCGCCGTCATGAAACAGTTTGCCTTCGTGCACATGCGCGAGA
ACGCTGGCGCGGTGCGCGCCATCGAGGCCCTGCATGGCCACGAGCTGCGTCCAGGTGCGCGCTCGTGGT
GGAGATGTCGCGCCCAGGCCCTGAACACTTGGAAAGATTTTCGTGGCAATGTATCGGCTGCATGTACA
AGTCAGGAATTGCGCAGCCTCTTCGAGCGCCGTGGACGCGTCATCGAGTGTGACGTGGTAAAAGACTACG
CGTTTGTTCACATGGAGAAGGAAGCAGATGCCAAAGCCGCATCGCGCAGCTCAACGGCAAAGAAGTAA
GGGCAAGCGCATCAACGTGGAACCTCAACCAAGGGGCAGAAAGAGGGCCCTGCCCTGGCTATCCAGTCT
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ATTCTTTGGTTCGCGACCCGAGCCCCCTGCGCCGTTACCTCCTCGAGCCTTATGTGGCGCCTCTGACG
GCCAGCCAGCCACCTACCGGGCCAACCTCAGTGTCTCTGGGAGCTGCATATAGGGCCAGCCTTCCG
CCTCTTTGGGTGTCGGCTATCGGACTCAGCCATGGCAGCTCAGGCAGCTTCTTACCGTGTCTCAGCCCTC
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TGACAACAGGCTGCTTCTTATTCTTCCAGCCTGCTGCTTATGTGGCACAACCAGCCACAGCTGCTGCC
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CAGTTGTTAGACCCAGCTGAATAGCTATGGGGCTCAAGCATCTATTGGCCTGTCAGGCTCATATGGAGC
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AGGCTGCTGCCTCCTACCGTGGCCAGCCGGGCAGTGCCTACGATGGGACAGGCCAGCCATCAGCAGCCTA
CCTGTCTATGTCCAGGGGGCCGTTGCCAACGCCAACAGCACCCCGCCGCTTATGAGCGTACCCGCTC
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TCCCCACCCCGGGCCAGCTACGACGATCCCTACAAAAAGGCTGTCGCCATGTCAAAAAGGTAAGTGTATGC
 CCCCCCGCTCAGCCCCAGCTGGGGCTTAGGGCAAGGGGCTGAGGTTGGCATGGGAGGGAAACAGGAGC
 CATTGGCCCTCCCTTGATCTTACTTCTATGGGATGTCCAAAAGTCATGAGGGTGAGTGTCTGAACAGTT
 CTGGCCATTGGGATTTAGGTGGGGCATAGTGCTCAGCCTGGGGTGATACCAACAGACTTAGGGTCCCTCAT
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 TTTGTTTCTTTGCCTCAGCAGCACATCTTGCTACTGGCTTTAGATCTGTGGTTTTCCCTCTACCCAGCCA
 TCTCCCGAATGGGAATTTCTTTTATATTTTAAATTTTTTCTGGCTCCCTTTTATTTTTGTGCGCGAT
 ACTTAAGGTTGTTTGGAGGTGATACAACCAGCAGCTGATGTCAGGCGGCGGTTTTTCTTTTAGATGCG
 AGGGAGGCCAGGAAAGGGTACTTTAGCTATTTCTCTGTGCCAGCTATGCCAGCAGTCCAGGGGCCCT
 GCCTGTCTCCTGTAGAGGCTGTTGAGACTGAGATCCTGTGGGACAGTCAGTTGGTCCGTGCCAAATCC
 CCGCTTACCAGTATGTTTTAGCTGATGGTGACTGGCATAGTCCCAATTCCTATCTCTCAAGTAGGTG
 GTGTTAGAAATCTAATCTTTTCTCTTTTGTATGGACTACAATAAACTTGGGGCGATTCTGTGGT
 TTGAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** BC010294
- Insert Size:** 1857 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:** [BC010294](#), [AAH10294](#)
- RefSeq Size:** 3545 bp
- RefSeq ORF:** 1857 bp

Locus ID: 56275

Cytogenetics: 19 A

Gene Summary: May function as a nuclear receptor coactivator, enhancing transcription through other coactivators such as NCOA6 and CITED1 (By similarity). Regulates centriole biogenesis by suppressing the formation of aberrant centriolar protein complexes in the cytoplasm and thus preserving mitotic spindle integrity (PubMed:25385835). Prevents the formation of the STIL-CENPJ complex (which can induce the formation of aberrant centriolar protein complexes) by interfering with the interaction of STIL with CENPJ (By similarity). Plays a role in the regulation of DNA virus-mediated innate immune response by assembling into the HDP-RNP complex, a complex that serves as a platform for IRF3 phosphorylation and subsequent innate immune response activation through the cGAS-STING pathway.[UniProtKB/Swiss-Prot Function]