

Product datasheet for **MC207944**

Rccd1 (NM_173445) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rccd1 (NM_173445) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rccd1
Synonyms: 5830436H09; E430018M08Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207944 representing NM_173445
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGAGAAACGGCACGGAGCCTGGTTCGGCTTTGGTTTCTGTGGCTTCGGCAAGCGCTGGTTCTG
GGAACAGCCACCATTCACTGTACAGTCCCTGAACCACTGCATGCCAGTGATGATATTTGCCAAGTACAGCGC
AGGCTGGAGCTACACTGCCCTGGTGACCCGTGGAGGCCGGGTGGAATTGTGAGTTCTGTGAGCGGTGCA
GCAGACGGCTGCAGGGACGTGTGGGCTTCGGAGGAACTCCTGGTGTGCTACGCAACAAGGGCGGCTCCA
GCACGGAAGTGCAGGCCTGGGTACAGGTTCTGCGTTACAGGGGAGCCCTCTGGGTCCAGAACTTGGT
TTCTGGGGCAAAGGGCCAAGGGGAAGATGAACCCAGCAGGGAGTCTAGGATGGGGACCCTGCCGTTGCTA
CCCTGCGCCCGTGCCTATGTGACCCAGAACCCCTTCTGCCAGCCTCTGGCCAGAGCTGCGGGTCC
GCCAGCTGGAGCTGGGAGCTGAGCATGTGCTGCTGTTGTGCGCAGCTGGCCAGGTGTTCTCCTGGGGTGC
GGCAGGCATGGACAGCTGGGCCACGGGACTCTGGAGGCAGAAGTACAGCCAAGACTGTTGGAGGCACTG
CAGGGCCTGCGGATGGCTAAGGTGGCTGCAGGTGGCTGGCACTCTGTGTGTTGAGTGAACGGGGGATA
TTTATATCTGGGCTGGAATGAGTCAGGGCAGCTGGCCCTGCCACAAGGAGTGGGACAGAGAACAAGC
AGAGAGAGAGGAAGCCACAGAATTGAATGAAGATGGTCTCAAAGAGGAATTAGCTGTGGCTGATGCAGGA
GCTCCTGCCCACTTCATAGCCATCCAGCCCTCCCTGCTCTTCTGGATCTTCCCCTGGGCTCAGATGCAG
TTATGGCCAGCTGCGGATCCCGACACAGCTGTGGTGACACGCACAGGAGAAGTCTATACCTGGGGCTG
GGGTAATACGGACAGCTTGGCCACAAGGACAGCACCAGCTTGGATCGACCCTGCTGTGTGGAGTACTTT
GTAGAAAGACAAGTGAAGTAAGGGCTGTGACATGTGGACCCTGGAATACCTATGTCTATGCAATGGAAA
GAGACAAAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_173445
Insert Size:	1134 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:	<ol style="list-style-type: none">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:	<u>NM_173445.4</u> , <u>NP_775621.2</u>
RefSeq Size:	2340 bp
RefSeq ORF:	1134 bp
Locus ID:	269955
UniProt ID:	<u>Q8BTU7</u>
Cytogenetics:	7 D2
Gene Summary:	Plays a role in transcriptional repression of satellite repeats, possibly by regulating H3K36 methylation levels in centromeric regions together with KDM8. Possibly together with KDM8, is involved in proper mitotic spindle organization and chromosome segregation. Plays a role in regulating alpha-tubulin deacetylation and cytoskeletal microtubule stability, thereby promoting cell migration and TGF-beta-induced epithelial to mesenchymal transition (EMT), potentially through the inhibition of KDM8.[UniProtKB/Swiss-Prot Function]