

Product datasheet for **MC221735**

Rsbn1 (NM_172684) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rsbn1 (NM_172684) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rsbn1
Synonyms:	C230004D03Rik; E330004N01; mKIAA3002; Rosbin; Rsbn; Rsbp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221735 representing NM_172684
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCAGGTCTACGAGAACGACCGATCAGTGGAGGGTGGGGGAGAGACTCCAATGCCAGCGGGCCATG
 CGCGGGCAGCGCTTGC CGGAACCGGACGGGGGGCGGTGCGGCCATTTAAATGTGTGTTGTGGGTGA
 AATGGCTGCGCAGGTGCGAGCGGTTGCGGTAGTACGGGCGGTGGCGGCGCAGGAGGAGCCGGACAAGAA
 GGAAGGAGAAAACCCCATGTTGGGGTTTCGCGCGGGGAGTGAAGCGGCAGCGCCGGGCGAGCAGCGGGG
 GTTCTCAGGAGAAGCGGGGGCGGCCGAGCCAGGACCCCTCTGCTCCCCCTCATCGCGGCGTCTGATG
 CCGCAACATCCCGGGCCGCTGCCTCCAACGAATGCCGCCAACCGTCCCGGGCCCTGTTGAACCTCTG
 CTCTGCCGCTCGCGCCACCGTCTGTCGCCCGCGGGCCACTGTCGCTGCCCGCTCCCGGCC
 CGGGCACCTCGGCCCTTTCACCTTCTGCTCTGACGGTGAAGCGGGCCGGCCCAAGCATAAGGGCCA
 CAAGGAGCGGCACAAGCACCATACCACCGCGGCTCCGATGGTGACCCCGGCGCTGCGTTCGGGGCGAT
 CTC AAGCACAAGGACAAGCAGGAAAACGGCGAAAGGAGCGGAGGGGTGCCCTCTGATCAAGGCCCAAGA
 GAGAAACAGCAGATGAAAATGGTAAAACCCAGAGAGCTGATGATTTTGTCTTGAAGAAAATAAAGAGAA
 AAAGAAAAGAAACATCGAGAAGACATGAGAGGAAGACGCCTTAAATGTACAATAAGGAAGTACAAAC
 GTCTGTGCTGGCCTGACCCGCATCAGCAAGAAATTTCAACCAAGGACAGCTAAATAGCACTTCAGGAG
 TTAATAAGGAGTCTTCAGGTATTTGAAGGATGAACAGCTGTGCAGATTAATTTGGGCATGCAAGAATA
 TCGGGTGCCCGAGGAGTACAGACACCTTTTACAACGCACCAAGAACATTCTATTCGAGAAATTTCTTA
 AAAACAGTACTAAATTTAGCACTTTATTACGAAGAACCAGTCCAATGGGGGTGCTTTGTCCTTC
 ATGCATACATGGACGAACTCTATTTTGTCTCCAATGGAGATGGAGAGATTTTCTGAGGATTTCTTGC
 TTTGACATTCAGTGAATAAGGAAAACCGTGCCTACTATGCGTTAGCAATAGTGCATGGAGCGGCCGCT
 TATCTCCAGACTTCTGGACTACTTTGCTTTTAAATTTCCCAACTCCAGTGAATAAGGAAATTTTGG
 GCAAGAAAGATATTGAAACAACCACATTTCAAATTTTCACTACTCAGGTCAACAGGACATATTGCTGTGG
 TACCTACCGAGCAGGTCCTATGCGGCAGATAAGTCTTGTGGAGCAGTAGATGAAGAAAGTTGGTATTAT
 TTCCAGAGTTCCAGATATGCTAGAAGATCACCATTCTGAAATGACTTTGCCCTGGGGTACACTTT
 CCAGCCTCCAGCTACAATGTAGGTCTCAGAGCGATGACGGGCTATAATGTGGGTGAGGCCAGGAGAACA
 GATGATCCCTACAGCAGATATGCCAAAGTACCCTTCAAAGACGACGATCAATGAATGAAATAAAAAT
 CTCAGTACCTACCTCGGACAAGTGAACCCGAGAAGTCTCTTTGAAGACAGGACCAGAGCTCATGCTG
 ATCATGTAGGTACGGGGTTTACTGGCAAAGTACGGCTGCTGTTGGGGTTTTGAAGGCTGTACAATTCGG
 TGAATGGAGTGATCAGCCTCGCATAACCAAGATGTGATTTGTTTTATGCTGAGGATTTTACTGATGTT
 GTACAGAGACTTCAGTTAGACCTTCATGAACCTCCAGTTTCTCAGTGTGTACAGTGGGTGGATGAAGCAA
 AACTAAACCAATGAGGCGAGAAGGCATTCGCTATGCTAGAATTCAGTTTGGCAATGATATCTACTT
 CATCCCTAGAAATGTCATTCATCAGTTCAAAACAGTGTGACGAGTATGCAGCCTAGCCTGGCATATAAGG
 CTTAAACAATACCACCCTGTTGTGGAACCGCTCAAACACAGAGAGCAATCCAACATGGATTGTGGTT
 TAGAAGTTGACTCCAGTGTGTGAGAATAAAAACCTGAATCTGAGGAAAGATGCACAGAGATGCAGCTTTT
 GACAACCTGCTTACCCTTTTCCACCTCCATCAGAATTCATCTACAGGATCTGAAGACTCAGCCTCTT
 CCAGTTTTCAAGGTGGAGAGCAGACTGGACTCTGACCAGCAACACAGTCTGCAGGCACATCCAAGCACTC
 CTGTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172684
Insert Size: 2388 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:	NM_172684.2 , NP_766272.2
RefSeq Size:	6727 bp
RefSeq ORF:	2388 bp
Locus ID:	229675
UniProt ID:	Q80T69
Cytogenetics:	3 F2.2
Gene Summary:	Histone demethylase that specifically demethylates dimethylated 'Lys-20' of histone H4 (H4K20me2), thereby modulating chromosome architecture.[UniProtKB/Swiss-Prot Function]