

Product datasheet for **SC310105**

RSBN1 (NM_018364) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSBN1 (NM_018364) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSBN1
Synonyms:	KDM9; ROSBIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC310105 representing NM_018364.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTTTCATCTCTGGACGAAGAACGGCCGACAAGTGGAGGGCGGAGGAGAGACTCCAATGCCAGCGGGC
AGTGC CGGGCGCGCTTGCGCGATGCGCGGACGGGGGGCGGTGCGGCCATTTAAATGTGTGTTGTG
GGTGAAATGGCTGCGCAGGTGCGAGCGGTGCGCGTAGTACGGGCGGTGGCGGCGCAGGAGGAGCCGGAC
AAAGAGGGGAAGGAGAAACCTCATGCTGGGTCTCCCGCGGGGAGTTAAACGGCAGCGCCGATCTAGC
AGTGGGGGTCTCAGGAGAAGCGGGGGCGCGGAGCCAGGAGCCCCCTCTCGTCCCCCTCACCGCGG
CGTCGACGCCCAACATCCTGGCCGCTGCCGCCAACAATGCAGCCCCAACTGTCCAGGCCCTGTT
GAGCCTCTTCTCCTGCCCTCCGCCGCCACCTTCGCTGGCACCCGCGGGCCGCTGTCGCTGCCCT
CTCCGGCCCCAAGCACCTCGGCCCTTTCACCTTCTCGCTCTGACGGTGAGCGCGGCCGGGCCAAG
CATAAGGGCCACAAGGAGCGGCACAAGCACCATCACCACCGGGCCCGATGGTGATCCAGCTCCTGC
GGAACCGATCTCAAGCACAAGGACAAGCAGGAAAACGGCGAGAGGACTGGAGGGTGCTCTGATCAAA
GCCCCAAGAGAGAAACACCAGATGAAATGGTAAACCCAGAGAGCCGATGATTTGTCTTGAAGAAA
ATAAAGAAGAAAAAGAAAAAGAACACCCGAGAAGACATGCGAGGAAGACGCTTAAATGTACAATAAG
GAAGTACAAACCGTCTGTGCTGGCTGACCCGCATCAGTAAAGAAATTCTACCCAAGGACAAATAAAT
AGCACTTCAGGACTTAATAAGGAGTCTTCAGGTATCTGAAAGATGAACAGCTGTGCCGATTAAATTTG
GGTATGCAAGAATATCGGGTACCCAGGGAGTACAAACACCTTTTATGACTCACCAGGAACATTCTATT
CGTAGAAATTTCTTAAAAACAGTACTAAATTTAGCACTTTATTCATGAGGAACACCAGTCCAATGGT
GGTGCTCTTGCTTTCATGCTTACATGGATGAATCTCATTCTTCTCCAATGGAGATGGAGAGATTT
TCTGAGGAGTTTCTTGCTTTGACATTCAGTGAAGATGAGAAAAATGCTGCTTACTATGCTTTAGCAATA
GTGCATGGAGCGGCTGCTTATCTCCAGACTTCTTGACTACTTTGCTTTTAAATTTCCCAACACTCCA
GTGAAATGGAATTTCTGGCAAGAAAGATATTGAAACAACCACCATTTCAAATTTTCACTCAGGTC
AACAGGACATACTGCTGTGGCACCTACCGAGCAGGTCTATGCGGCAGATAAGTCTCGTTGGAGCAGTA
GATGAAGAAGTTGGTGATTATTTCCAGAGTTCCTTGATATGTTAGAAGAATCACCATTCTGAAATG
ACTTTGCCCTGGGTACACTTTCTAGCCTCCGACTCCAGTGTAGGTCCAGAGTGATGATGGCCTATA
ATGTGGGTAAAGCCAGGAGAACAGATGATCCCTACAGCAGATATGCCAAAGTACCCTTCAAAGACGA
CGATCAATGAATGAAATAAAAAATCTCCAGTACCTACCTCGGACCAGTGAACCCCGGAAGTTCTCTTT
GAAGATAGGACTAGAGCTCATGCTGATCATGTGCGTCAGGGGTTTGAAGTGCAGAGTACGGCTGCTGT
GGAGTTTTGAAAGCTGTACAATTTGGTGAATGGAGTGACCAACCTCGCATAACCAAAGATGTGATTTGT
TTTCATGCTGAGGATTTTACTGATGTTGTACAAAGACTTCAGTTAGATCTTCATGAACCTCCAGTTTCC
CAGTGCGTACAGTGGGTAGATGAAGCTAACTAAACCAATGAGGCGGGAAGGCATTGTTATGCTAGA
ATTCAGCTTTGCGACAATGATATCTACTTCATCCCTAGAAATGTCATTTCATCAGTTCAAAACAGTTTCG
GCGGTGTGCGAGCTTAGCTGGCATATAAGGCTTAAACAGTACCACCCTGTTGTGGAAGCCACTCAAAC
ACAGAAAGCAATTCTAACATGGACTGTGGTTTAACTGGAAAGCGAGAATTAGAAGTTGACTCCCAATGT
GTGAGGATAAAAACTGAATCTGAAGAAGCATGCACAGAGATTGAGCTGTTAACTGCTTCATCATCT
TTCCACCTGCATCAGAACTTAATCTACAGCAAGATCAGAAGACTCAGCCTATTCCAGTTTAAAGTG
GAAAGTAGACTGGACTCTGACCAGCAACACAATCTGCAAGAACATTCAACCACTTCTGTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI
ACCN: NM_018364
Insert Size: 2409 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_018364.4</u>
RefSeq Size:	6632 bp
RefSeq ORF:	2409 bp
Locus ID:	54665
UniProt ID:	<u>Q5VWQ0</u>
Cytogenetics:	1p13.2
MW:	90.1 kDa
Gene Summary:	Histone demethylase that specifically demethylates dimethylated 'Lys-20' of histone H4 (H4K20me2), thereby modulating chromosome architecture.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) is the protein-coding transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.