

Product datasheet for **SC318285**

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)



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Fully Sequenced ORF: >SC318285 representing NM_018364.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGTTTCATCTCTGGACGAAGAACGGCCGACAAGTGGAGGGCGGAGGAGAGACTCCAATGCCAGCGGGC
AGTGC CGGGCGCGCTTGCGCGATGCGCGGACGGGGGGCGGTCGGGCCATTTAAATGTGTGTTTGTG
GGTGAAATGGCTGCGCAGGTGCGAGCGGTGCGCGTAGTACGGGCGGTGGCGGCGCAGGAGGAGCCGGAC
AAAGAGGGGAAGGAGAAACCTCATGCTGGGGTCTCCCGCGGGGAGTTAAACGGCAGCGCCGATCTAGC
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CGTCGACGCCCAACATCCTGGCCGCTGCCGCCAACAATGCAGCCCCAACTGTCCAGGCCCTGTT
GAGCCTCTTCTCCTGCCGCTCCGCCGCCACCTTCGCTGGCACCCGCGGGCCGCTGTCGCTGCCCT
CTCCGGCCCCAAGCACCTCGGCCCTTTCACCTTCTCGCTCTGACGGTGAGCGCGGCCGGGCCAAG
CATAAGGGCCACAAGGAGCGGCACAAGCACCATCACCACCGGGCCCGATGGTGATCCAGCTCCTGC
GGAACCGATCTCAAGACAAGGACAAGCAGGAAAACGGCGAGAGGACTGGAGGGTGCTCTGATCAAA
GCCCCAAGAGAGAAACACCAGATGAAATGGTAAACCCAGAGAGCCGATGATTTTGTCTTGAAGAAA
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GATGAAGAAGTTGGTGATTATTTCCAGAGTTCCTTGATATGTTAGAAGAATCACCATTCTGAAATG
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ATGTGGGTAAAGCCAGGAGAACAGATGATCCCTACAGCAGATATGCCAAAGTACCCTTCAAAGACGA
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GAAGATAGGACTAGAGCTCATGCTGATCATGTGCGTCAGGGGTTTGAAGTGCAGAGTACGGCTGCTGT
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CAGTGCGTACAGTGGGTAGATGAAGCTAACTAAACCAATGAGGCGGGAAGGCATTGTTATGCTAGA
ATTCAGCTTTGCGACAATGATATCTACTTCATCCCTAGAAATGTCATTTCATCAGTTCAAAACAGTTTCG
GCGGTGTGCAGCTTAGCTGGCATATAAGGCTTAAACAGTACCACCCTGTTGTGGAAGCCACTCAAAC
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GAAAGTAGACTGGACTCTGACCAGCAACACAATCTGCAAGAACATTCAACCACTTCTGTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACC�: 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.