

## Product datasheet for **SC108659**

### RPRM (NM\_019845) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPRM (NM_019845) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPRM
Synonyms:	REPRIMO
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108659 sequence for NM_019845 edited (data generated by NextGen Sequencing) ATGAATCCGGCCCTAGGCAACCAGACGGACGTGGCGGGCCTGTTCTTGGCCAACAGCAGC GAGGCGCTGGAGCGAGCCGTGCGCTGCTGCACCCAGGCGTCCGTGGTGACCGACGACGGC TTCGCGGAGGGAGGCCCGGACGAGCGTAGCCTGTACATAATGCGCGTGGTGACAGATCGCG GTCATGTGCGTGCTCTCACTCACCGTGGTCTTCGGCATCTTCTTCTCGGCTGCAATCTG CTCATCAAGTCCGAGGGCATGATCAACTTCTCGTGAAGGACCGGAGGCCGTCTAAGGAG GTGGAGGCGGTGGTCTGGGGCCCTACTGA

Clone variation with respect to NM\_019845.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_019845 unedited</p> <p>CACTATTTTGTAAACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGGCTTTAGA  AGAGCCTAGCTGCTGCGCGCTCGGAGAGGCTCCTGGNGAAACTCCCACGGCCAGGGAC  TTTCGAAAGCAGAGCGAGGAGCCCTCGCACGCGTAGTCTGCGAGTGAGCGCTCAGCCCG  GCACCTGTTCTCCAGCGCCGCCCTTCCCACCCTCGACCCGCGCCGCTCGCGGCGC  CCGCCCCGTTCTCGCATGAATCCGGCCCTAGGCAACCAGACGGACGTGGCGGGCTGTTT  CTGGCCAACAGCAGCGAGGCGCTGGAGCGAGCCGTGCGTGTGCACCCAGGCGTCCGTG  GTGACCGACGACGCTTCGCGGAGGAGCCCGACGAGCGTAGCCTGTACATAATGCGC  GTGGTGCAGATCGCGGTATGTGCGTGCTCACTCACCGTGGTCTTCGGCATCTTCTTC  CTCGGCTGCAATCTGCTCATCAAGTCCGAGGGCATGATCAACTTCTCGTGAAGGACCGG  AGGCCGTCTAAGGAGGTGGAGGCGGTGGTCTGGGGCCCTACTGACCCGCCCTTGCCCC  CGCGGCAACCGCTCCCACGCTGCCACTTTGCTAGCCCGGTGTGCCCTCACTATCAG  AGACTGGCGAAGCAAACCTGTCGGAGTCAATTATTTCTCTGACTTCGGCTTTTCGGAA  AGAAGCGACCGGTTTCTCCCTCGCCCTTCTGAAGTCTCATGCCTGGCAGTCGGGAGAGA  GCGCCAGACTCTGAACTCAGCAGAAAGTGGCAGAAGAGGGCGATTANGGCGCAGAACTT  GGAAGCTGCTACTTACTTGAATGCGNGGAGACCGACGGTGCGAAGGCCCTTCTNACCC  GCAGGTGGCCAAGCTCTGGNGGCCAGTGGANAAGGCGGGNCAGGGAAN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_019845 unedited</p> <p>NTGTCTTGACCGCGGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAACGC  TTAAATGTTGATTTATTAAGGAAATGTTAAATAAGAAAAAACAAAAAGTCAAAACGGT  GTCACGGATGTAAGAGCACTTTTGTGGCGTAAACCGTGCAGTACGAGCTACGAGTTCT  ATTCTGGGTCTTTGTCCAGGGCCAGCAGGAACGCTAGACGCCTCCCAAAGACCCAGTG  GAAATGCACTAAAAGAAACAACCTACCCCGTTCAAATTCGCAGGCTCCCCCTCCCCCA  CCCCTTCTCCACAATGACAAAACCTGTAACCTCCTCAGGCAGGCAAAACAGGCCACTGGGGC  AGAAAAAGACTTATCAAACATTTGTATTCAAGCAAACAACACAAAACCTCTTAAACGG  CACGTTACAATCAAAGGTATTTATCGCCCTCCCTCCAGGGCAGGGGGGAGCAGGAGA  AGAGTGGGAGCGCACCCGGACACGGATTTGTGAGACCCCATGAGTCTGCTGCGTGGCTTT  TAACAGTCACTTCCGGTCACAAGGCGATCAGTGCCGCTGGGTCTCTCCCTGCCCGC  CCTCTCCACCTGCCCCAGAGCTTGGCCACCTGCGGGTGGAGAAAGGCCTTCGACCGCT  CGGTCTCCCCGCAATTCGAAGTAAGTAGCAGCTTCCAAAGTTCTGCGCCCTAATTCGCCTC  TTCTTGCCACTTTCTGCTGAGTTCAGAGTCTGGGCGCTCTCTCCGACTGCCAGCTGAG  GACTTTTACAGAGCGAGGGAGAAACGGTCCCTTCTTCCGAAAGCCCAAGTACAGAGAAATA  TTGCTCCGACGGTTTGGTTCCCCATTCTTTGTTAGGGAGGGCCAGCCGGCTACAAAG  GGGCAAGCTGAAACCGTTTCCCCGGGGCCAAAGGCGGTACATGGGCCCCC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_019845
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_019845.2</a></u> , <u><a href="#">NP_062819.1</a></u>
<b>RefSeq Size:</b>	1496 bp
<b>RefSeq ORF:</b>	330 bp
<b>Locus ID:</b>	56475
<b>UniProt ID:</b>	<u><a href="#">Q9NS64</a></u>
<b>Cytogenetics:</b>	2q23.3
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	p53 signaling pathway
<b>Gene Summary:</b>	May be involved in the regulation of p53-dependent G2 arrest of the cell cycle. Seems to induce cell cycle arrest by inhibiting CDK1 activity and nuclear translocation of the CDC2 cyclin B1 complex (By similarity).[UniProtKB/Swiss-Prot Function]