

## Product datasheet for **RN217345**

### **Col9a1 (NM\_001100842) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Col9a1 (NM_001100842) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col9a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217345 representing NM\_001100842  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGACTCTTATAAACCCAAGAGAACCCTGCGGAAAATGAAGAACTTCTGAAAATCCACTTTTCT  
 TCTTTGCATGCAGTTTTCTGGGACCCTGTGTATCTGCAACTCCTAAGCGTCGTGCAAGATTTCTGCCAA  
 TTCTGTTTCTCATGGTGAAGTGAAGTGTGTCCCAAGATCAGGATTGGCCAGGATGACTTCCAGGATTT  
 GACCTGATTTCTCAGTTCCAAATGAGAAGGCTGCATCTCGAAGGACTATCCAGAGGGTGGTGGGTCCA  
 CAGCGTTACAAGTGGCTTACAAGCTGGGAAGTAATGTAGACTTCAGGATTTCAACAAGGCATTTGTATCC  
 CAGTGGACTGCCTGAAGAATATTCCTTTTTAACTACTTTCCGGATGACTGGAAGCACACTGAAAAGCAA  
 TGGAACATTTGGCAGATCCAGGATTCCTCAGGGAGGGAGCAAGTTGGCGTGAAGATAAATGGCCAAACAA  
 AGTCTGTGCGTTTTTCATAACAAGGGACTGGACGGGAGTCTCCAAACGGCAGCCTTCTTGAAATTTGCAGTC  
 CTTGTTTACTCCCGTTGGCATAAGCTCATGATTGGCGTGGAGAGAACAAGAGCTACTCTTTTTATTGAC  
 TGCATCCAGATCGATTCCTTACCTATAAAGCCGAGAGCCAGATCGATGCTGATGGCTTTGCTGTGCTGG  
 GAAAACCTGTGGACAATCCTCAGGTTTCTGTTCCCTTTGAACTCCAGTGGATGCTGATTCAGTGTGACCC  
 CCTGAGACCCCGGAGAGAGAGCTGCCATGAACTGCCAGTCAGAATCACAACCAGCCAGACCACCGATGAG  
 AGAGGTCTCCGGGTGAGCAGGGGCTCCGGGGCTCCGGGGCTCCTGGAGTTCGGGCATAGATGGTA  
 TTGATGGTACCAGGTCCTCAAGGGTCCCCCGGACCTCCGGGTCTCCTGGAGACCCGGCAAGCCAGG  
 AGCACCAGGCAAGCCAGGCACTCCAGGAGCTGATGGATTAACAGGACCTGATGGTCCCCGGGCTCCGTT  
 GGACCAAGGGGACAAAAGGAGAACCTGGTGTGCTGGTCTCGTGGATTTCCAGGCCGTGGCATTCCAG  
 GACCCCTGGCCCTCCTGGGACCACAGGACTTCTGGAGAACTTGGCCGATAGGCCCTGCTGGCAGCC  
 TGGGAAAAGAGGACCACCTGGTCTCCTGGACCCAGGACCTAGTGAACAATTTGGATTTTCATGATGGA  
 GACCCATTGTGCCCAATTCCTGCCACCAGGTCGCTCTGGCTATCCAGGCTACCAGGCATGAGAGGCC  
 ACAAGGGGGCAAGGAGAAAATTGGCGAGCCAGGAAGACAAGGACACAAGGGTGAAGAGGGTGACCAGGG  
 GAACTGGGAGAAGTTGGAGCTCAAGGACCTCCAGGAGCTCAAGGTCTGAGAGGCATCACTGGCATAAGTT  
 GGAGACAAAGGAGAAAAGGTGCTCGGGGATTCGATGGAGATCCTGGGCCTCAGGGCTTCCAGGTGACG  
 CTGGTGATCAAGGGCAGCGAGGACCTCCAGGAGAAACAGGTCTAAGGGAGACAGGGCATTCAAGGTTCC  
 CCGAGGAATTCCTGGATCCCGGGTCCAAAAGGAGACACGGGCTTGCCAGGTGTCGATGGTGCAGACGGA  
 ATCCCGGAATGCCTGGAACAAAGGGTGAAGCAGGAAAGCCTGGACCTCCCGGTGATGCGGGATTGCAGG  
 GTTACCAGGGTGTACCTGGGATTCCTGGTGCAAAAGGTGTGGCCGGCAAAAGGGTAACACGGGTCTCC  
 GGGAAAGCCTGGTCAGTTGGGAAGTTCAGGAAAACCAGGCCAACAAAGGACCGCCGGGAGAGGTTGGACCT  
 CGGGGACCCAGGGGCTTCCAGGCAGCAGAGGCCCGGTAGGACCAGAAGGCTCTCCAGGCATACCAGGGA  
 AACTGGGACCTCTTGGCAGCCCTGGCCTTCTGGCTTGCCTGGGCCCCCTGGACTTCTGGAATGAAAGG  
 AGACAGGGGTGATTTGGTGAACCAGGTCCAAGGGCAACAGGGTGCCTCTGGTGAAGAAGGTGAAGCA  
 GGAGTAAGGGGTGACCTGGAGATATGGGACAACCTGGCCAAAGGGATCAGTGGTAACCCTGGGGAGC  
 CCGGCTGAGGGGACCTGAAGGAATCAGAGGGCTTCTGGAGTGAAGGACCAAGAGGACCACCTGGACC  
 CCGAGGTGTGCAAGGAGAACAGGGTGCCACTGGACTGCCTGGTATCCAGGGACCTCCGGGCAGAGCGCCG  
 ACGGACCAGCACATAAGCAGGTTTGCATGAGAGTTGTGCAAGAGCATTTCAGAGAAATGGCAGCTAGCC  
 TCAAGAGACCAGACACAGGAGCTTCTGGTCTTCTGGGAGGCTGGTCCCCAGGGCCTCCCGGCCCTCC  
 AGGAGAGAATGGTTCCCTGGTCAAGTGGGAATCCGTGGCCTTCCAGGCATTAAGGGTCCCCCTGGTGTCT  
 CTTGGCTTAAGGGGACCTAAAGGTGACTTGGGAGAAAAGGAGAAGCTGGTCTCCAGGAAGAGGTCCTA  
 AGGGTTTGCCTGGAGCTATCGGTCTCCAGGTGATCCAGGCCCTGCCAGCTATGGGAAAATGGCCGAGA  
 TGGAGAGCAAGGTCCCCAGGAGTGGCAGGAATTCCTGGTGTGCTGGGCCCCAGGTCTCCAGGCCCT  
 CCTGGTTTCTGTGAGCCAGCCTTTCACCCCTCAGGCAGGTCAAAGAGCATTAGCAAAGGGCCTGACA  
 AGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_001100842
<b>Insert Size:</b>	2805 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001100842.1, NP_001094312.1</u>
<b>RefSeq Size:</b>	3830 bp
<b>RefSeq ORF:</b>	2805 bp
<b>Locus ID:</b>	305104
<b>Cytogenetics:</b>	9q21