

## Product datasheet for **MC220709**

### Col9a1 (BC038017) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col9a1 (BC038017) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col9a1
Synonyms:	Col9a-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC038017  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTGGGCTGCCTGGGACGAGGAGTGCTTGGGCTGCTACTGATGCTGTCTGGGCTCCGCTTGTGTG  
 CTGCTCAAAGAGTCTCCGGGTGAGCAGGGCCCTCCAGGCCTCCTGGGCTCCTGGAGTCCGGGCAT  
 AGATGGCATTGATGGTGACCGAGGTCCAAGGGTCCCCAGGACCTCCGGTCTCCTGGAGACCCAGGC  
 AAGCCAGGAGCACCAGGCAAGCCAGGCACACCAGGAGCTGATGGATTAACAGGACCTGATGGATCCCTG  
 GCTCTGTTGGACCAAGGGGACAAAAGGAGAACCTGGTGTACCTGGTCTCGTGGATTTCCAGGCCGTGG  
 TATTCAGGACCCCTGGTCTCCTGGGACCACAGGACTTCTGGAGAACTTGGCCGAGTAGGCCCTATT  
 GGAGACCTGGGAAAAGAGGACCACCTGGCCCTCCTGGACCTCCAGGACCCAGTGAACAATTGGATTTCC  
 ATGATGGAGACCCATTGTGCCCAATTCCTGCCACCAGGTGCCTCTGGATATCCAGGCCTACCAGGCAT  
 GAGGGGCCATAAAGGGGCGAAAGGAGAAATCGGCGAGCCAGGAAGACAAGGACACAAGGGTGAAGAGGGT  
 GACCAGGGGAACTGGGAGAAGTTGGCGATCAAGGACCTCCAGGACCTCAGGGTCTGAGAGGCATCACTG  
 GCATAGTTGGAGACAAAGGAGAAAAGGGTCTCGGGGATTTGATGGAGAGCCTGGACCTCAGGGCATTCC  
 AGGTGCAGCTGGTGTATCAAGGACAGCGAGGCCCTCCAGGAGAAACAGGTCTGAGGGAGACAGAGGCATT  
 CAAGGTTCCCAGGAATTCCTGGATCCCCAGGGCCAAAAGGAGACACGGGCTTCCAGGTGTAGATGGCC  
 GAGATGGAATACCAGGAATGCCCGGGACAAAGGGTGAAGCAGGGAAGCCTGGACCCCGGGGACGTGGG  
 ATTGCAGGGCTTACCAGGTGTCCCTGGAATCCCTGGTGCAAAAGGTGTTGCCGTGAAAAGGGTAACACG  
 GGTGCTCCAGGAAAGCCCGGTGAGTTGGGAAGTTCAGGGAAACCAGGCCAACAAGGGCCCCAGGAGAGG  
 TTGGACCTCGGGGACCCAGGGCCCTCCAGGACGTAGAGGCCCGGTAGGACCAGAAGGGTCTCCAGGCAT  
 ACCAGGGAAACTGGGATCTGTTGGCAGCCCTGGCCTTCTGGCTTGCTGGGCCCCCTGGACTTCTGGA  
 ATGAAAGGAGACAGGGGTGATTTGGTGAACCGGGTCCAAGGGTGAACAGGGTGCCTCTGGTGAAGAAG  
 GTGAAGCAGGAGCAAGGGGTGACCTTGGAGATATGGGACAACCTGGCCAAAGGGATCTGTGGTAAACC  
 CGGGGAGCCGGTCTGAGGGGCTGAAGGAATCAGAGGGCTTCTGGAGTGAAGGACCAAGAGGACCA  
 CCTGGACCCCGGGCATGCAGGGAGATCAGGGTGCCTACTGGGCTGCCTGGTATCCAGGGCCCTCCGGCA  
 GAGCGCCGACCGACCAGCACATCAAGCAGGTTTGCATGAGAGTCGTGCAAGAGCATTTCGGGAAATGGC  
 AGCCAGCCTCAAGAGACCAGACACAGGACCTCTGGTCTTCTGGGAGGCCTGGCCCCCTGGGCTCCG  
 GGCCCCCTGGAGAGAATGGTTTCCCTGGTCCAGATGGGAATCCGTGGTCTCCAGGCATTAAGGGTCCCC  
 CTGGTGCCTTGGCTTAAGAGGACCTAAAGGAGACTTGGGAGAAAAGGAGAACGTGGTCTCCAGGAAG  
 AGGTCCTAAGGGTTTGCCTGGAGCGATAGGTCTCCAGGTGACCCAGGCCTGCCAGCTATGGGAAAAAT  
 GGCCGTGACGGAGAGCAAGGTCCCCGGGAGTGGCAGGAATTCCTGGTGTGCCTGGACCCCAAGGTCTC  
 CAGGCCCTCCTGGGTTCTGTGAGCCAGCCTCTGCACCCTGCAGTCTGGTCAAAGAGCATTTAGCAAAGG  
 GCCGGACAAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC038017

**Insert Size:** 2043 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).

<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="#">BC038017</a></u> , <u><a href="#">AAH38017</a></u>
<b>RefSeq Size:</b>	3035 bp
<b>RefSeq ORF:</b>	2042 bp
<b>Locus ID:</b>	12839
<b>Cytogenetics:</b>	1 9.95 cM
<b>Gene Summary:</b>	Structural component of hyaline cartilage and vitreous of the eye.[UniProtKB/Swiss-Prot Function]