

## Product datasheet for **MC222624**

### Col9a1 (NM\_007740) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col9a1 (NM_007740) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col9a1
Synonyms:	Col9a-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC222624 representing NM\_007740  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGAACTTCTGGAAATCTCAGTTTTCTTCTGTGTGCAGTTGTCTGGACCTGGGTATCCGCAA  
 CTCTTAAGCGTCGTGCAAGATTTCTGCCAATTCATTTCTAATGGTGGAAAGTAACTGTGTCCCAAGAT  
 CAGGATTGGCCAAGATGACTTACCAGGGTTTGACCTGATTTCTCAGTTCCAAATTGAGAAGGCTGCATCT  
 CGAAGGACTATCCAGAGGGTGGTGGGATCCACAGCCTTACAAGTGGCTTACAAGCTGGGAAGTAATGTAG  
 ACTTCAGGATTCCAACAAGGCATTTGTATCCCAGTGGACTGCCTGAAGAATATTCCTTTTTAACTACTTT  
 CCGGATGACTGGAAGCACACTTGAAGACTGGAACATTTGGCAGATCCAGGATTCGCGAGGGAGAGAG  
 CAAGTTGGCGTGAAGATAAATGGCCAAACAAGTCTGTGCGATTTTCATACAAGGGACTGGATGGGAGTC  
 TCCAAACGGCTGCCTTCTGAATTTGCCGTCCTTGTGTTGACTCCCGGTGGCATAAGCTCATGATTGGCGT  
 GGAAGAACAAGCGCCACTCTTTTTATTGACTGCATCAGGATCGAATCTTTACCTATAAAGCCAAGAGGC  
 CAGATTGATGCGGATGGCTTTCAGTGTGGGAAAACCTGTGGACAATCTCAGGTTTCTGTTCTTTTTG  
 AACTCCAGTGGATGCTGATTCATTGTGACCCCTGAGACCCAGGAGAGAAACCTGTCATGAGCTGCCAAT  
 CAGAATACAACCCAGCCAGACCACTGATGAGAGAGGTCCTCCGGGTGAGCAGGGGCTCCAGGGCTCCT  
 GGGCTCCTGGAGTTCGGGCATAGATGGCATTGATGGTGACCGAGGTCCAAAGGGTCCCCAGGACCTC  
 CGGGTCTCCTGGAGACCCAGGCAAGCCAGGAGCACCAGGCAAGCCAGGCACACCAGGAGCTGATGGATT  
 AACAGGACCTGATGGATCCCCTGGCTCTGTTGGACCAAGGGGACAAAAGGAGAACCTGGTGTACCTGGG  
 TCTCGTGGATTTCCAGGCCGTGGTATTCAGGACCCCTGGTCTCCTGGGACCACAGGACTTCTGGAG  
 AACTTGGCCGAGTAGCCCTATTGGAGACCTGGGAAAAGAGGACCACCTGGCCCTCTGGACCTCCGAGG  
 ACCCAGTGGAAACAATTGGATTTGATGATGGAGACCCATTGTGCCCAATTCCTGCCACCCAGGTCGCTCT  
 GGATATCCAGGCCTACCAGGCATGAGGGCCATAAAGGGGCGAAAAGGAGAAATCGCGGAGCCAGGAAGAC  
 AAGGACACAAGGGTGAAGAGGGTGACCGGGGAACTGGGAGAAGTTGGCGATCAAGGACCTCCAGGACC  
 TCAGGGTCTGAGAGGCATCACTGGCATAGTTGGAGACAAAGGAGAAAAGGGTGTCTCGGGATTTGATGGA  
 GAGCCTGGACCTCAGGGCATTCCAGGTGCAGCTGGTGTCAAGGACAGCGAGGCCCTCCAGGAGAAACAG  
 GTCCTGAGGGAGACAGAGGCATTCAAGGTTCCCGAGGAATTCCTGGATCCCAGGGCCAAAAGGAGACAC  
 GGGCTTCCAGGTGTAGATGGCCGAGATGGAATACCAGGAATGCCCGGGACAAAGGGTGAAGCAGGGAAG  
 CCTGGACCCCGGGGACGTGGGATTGCAGGGTTACCAGGTGTCCCTGGATCCCTGGTCAAAAAGGTG  
 TTGCCGTTGAAAAGGGTAAACACGGGTGCTCCAGGAAAGCCCGGTGAGTTGGGAAGTTGAGGAAACAGG  
 CCAACAAGGGCCCCAGGAGAGGTTGGACCTCGGGGACCCAGGGGCTTCCAGGCAGTAGAGGCCCGGTA  
 GGACCAGAAGGGTCTCCAGGCATACCAGGGAACTGGGATCTGTTGGCAGCCCTGGCCTTCTGGCTTGC  
 CTGGGCCCCCTGGACTTCTGGAATGAAAGGAGACAGGGGTGATTTGGTGAACCGGGTCCCAAGGGTGA  
 ACAGGGTGCCTCTGGTGAAGAAGGTGAAGCAGGAGCAAGGGGTGACCTTGGAGATATGGGACAACCTGGC  
 CCAAAGGGATCTGTGGGTAAACCCGGGGAGCCGGGTCTGAGGGGGCTGAAGGAATCAGAGGGCTTCTGT  
 GAGTGAAGGACCAAGAGGACCCTGGACCCCGGGCATGCAGGAGATCAGGGTGCCACTGGGCTGCC  
 TGGTATCCAGGGCCCTCCGGCAGAGCGCCGACCAGCAGCATCAAGCAGGTTTGCATGAGAGTCGTG  
 CAAGAGCATTTTTCGGAAATGGCAGCCAGCCTCAAGAGACAGACAGGAGCCTCTGGTCTTCTGGGA  
 GGCTGGCCCCCTGGGCTCCGGGCCCCCTGGAGAGAATGTTTTCCCTGGTGCAGATGGGAATCCGTGG  
 TCTCCAGGCATTAAGGGTCCCCCTGGTCTTGGCTTAAGAGGACCTAAAGGAGACTTGGGAGAAAAA  
 GGAGAACGTGGTCTCCAGGAAGAGTCTAAGGGTTTGCCTGGAGCGATAGGTCTCCAGGTGACCCAG  
 GCCCTGCCAGCTATGGGAAAAATGGCCGTGACGGAGAGCAAGGTCCCCGGGAGTGGCAGGAATTCCTGG  
 TGTGCTGGACCCAGGTCCTCCAGGCCCTCTGGGTTCTGTGAGCCAGCCTCTGCACCTGCAGTCT  
 GGTCAAAGAGCATTTAGCAAAGGGCCGGACAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

<b>ACCN:</b>	NM_007740
<b>Insert Size:</b>	2766 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>	<a href="#">NM_007740.3</a> , <a href="#">NP_031766.3</a>
<b>RefSeq Size:</b>	3888 bp
<b>RefSeq ORF:</b>	2766 bp
<b>Locus ID:</b>	12839
<b>UniProt ID:</b>	<a href="#">Q05722</a>
<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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).