

Product datasheet for **MC228656**

Col9a1 (NM_001290691) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col9a1 (NM_001290691) 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: >MC228656 representing NM_001290691
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTGGGCTGCCTGGGACGAGGAGTCTGGGCTGCTACTGATGCTGTCTGGGCTCCGCTTGTGTG
 CTGCTCAAAGAGTCTCCGGGTGAGCAGGGCCCTCCAGGCCTCTGGGCTCCTGGAGTCCGGGCAT
 AGATGGCATTGATGGTGACCGAGGTCCAAGGGTCCCCAGGACCTCCGGTCTCTGGAGACCCAGGC
 AAGCCAGGAGCACCAGGCAAGCCAGGCACACCAGGAGCTGATGGATTAACAGGACCTGATGGATCCCTG
 GCTCTGTTGGACCAAGGGGACAAAAGGAGAACCTGGTGTACCTGGTCTCGTGGATTTCCAGGCCGTGG
 TATTCAGGACCCCTGGTCTCTGGGACCACAGGACTTCTGGAGAACTTGGCCGAGTAGGCCCTATT
 GGAGACCTGGGAAAAGAGGACCACCTGGCCCTCTGGACCTCCAGGACCCAGTGAACAATTGGATTTCC
 ATGATGGAGACCCATTGTGCCCAATTCCTGCCACCAGGTGCTGCTGGATATCCAGGCCTACCAGGCAT
 GAGGGGCCATAAAGGGGCGAAAGGAGAAATCGGCGAGCCAGGAAGACAAGGACACAAGGGTGAAGAGGGT
 GACCAGGGGAACTGGGAGAAGTTGGCGATCAAGGACCTCCAGGACCTCAGGGTCTGAGAGGCATCACTG
 GCATAGTTGGAGACAAAGGAGAAAAGGGTCTCGGGGATTTGATGGAGAGCCTGGACCTCAGGGCATTCC
 AGGTGCAGCTGGTGTCAAGGACAGCGAGGCCCTCCAGGAGAAACAGGTCTGAGGGAGACAGAGGCATT
 CAAGGTTCCCAGGAATTCCTGGATCCCCAGGGCCAAAAGGAGACACGGGCTTCCAGGTGTAGATGGCC
 GAGATGGAATACCAGGAATGCCCGGACAAAGGGTGAAGCAGGGAAGCCTGGACCCCGGGGACGTGGG
 ATTGCAGGGCTTACCAGGTGTCCCTGGAATCCCTGGTGCAAAAGGTGTTGCCGTGAAAAGGGTAACACG
 GGTGCTCCAGGAAAGCCCGGTGAGTTGGGAAGTTCAGGGAAACCAGGCCAACAAGGGCCCCAGGAGAGG
 TTGGACCTCGGGGACCCAGGGCCCTCCAGGCAAGTAGAGGCCCGGTAGGACCAGAAGGGTCTCAGGCAT
 ACCAGGGAAACTGGGATCTGTTGGCAGCCCTGGCCTTCTGGCTTGCTGGGCCCCCTGGACTTCTGGA
 ATGAAAGGAGACAGGGGTGATTTGGTGAACCGGGTCCAAGGGTGAACAGGGTGCCTCTGGTGAAGAAG
 GTGAAGCAGGAGCAAGGGGTGACCTTGGAGATATGGGACAACCTGGCCAAAGGGATCTGTGGTAAACC
 CGGGGAGCCGGTCTGAGGGGCTGAAGGAATCAGAGGGCTTCTGGAGTGAAGGACCAAGAGGACCA
 CCTGGACCCCGGGCATGCAGGGAGATCAGGGTGCCTGGGCTGCCTGGTATCCAGGGCCCTCCGGCA
 GAGCGCCGACCGACCAGCACATCAAGCAGGTTTGCATGAGAGTGTGCAAGAGCATTTCGGGAAATGGC
 AGCCAGCCTCAAGAGACCAGACACAGGACCTCTGGTCTTCTGGGAGGCCTGGCCCCCTGGGCTCCG
 GGCCCCCTGGAGAGAATGGTTTCCCTGGTCAAGTGGGAATCCGTGGTCTCCAGGCATTAAGGGTCCCC
 CTGGTGTCTTGGCTTAAGAGGACCTAAAGGAGACTTGGGAGAAAAGGAGAACGTGGTCTCCAGGAAG
 AGGTCCTAAGGGTTTGCCTGGAGCGATAGGTCTCCAGGTGACCCAGGCCTGCCAGCTATGGGAAAAAT
 GGCCGTGACGGAGAGCAAGGTCCCCGGGAGTGGCAGGAATTCCTGGTGTGCCTGGACCCCAAGGTCTC
 CAGGCCCTCTGGGTTCTGTGAGCCAGCCTCTGCACCTGCAGTCTGGTCAAAGAGCATTTAGCAAAGG
 GCCGGACAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290691

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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001290691.1</u> , <u>NP_001277620.1</u>
RefSeq Size:	3097 bp
RefSeq ORF:	2043 bp
Locus ID:	12839
Cytogenetics:	1 9.95 cM
Gene Summary:	<p>Structural component of hyaline cartilage and vitreous of the eye.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded protein (isoform 2) has a shorter and distinct N-terminus, compared to isoform 1.</p>