

## Product datasheet for **SC303084**

### COL9A2 (NM\_001852) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	COL9A2 (NM_001852) Human Untagged Clone
Tag:	Tag Free
Symbol:	COL9A2
Synonyms:	DJ39G22.4; EDM2; MED; STL5
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001852, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCGCTACGGCCTCCCCCGCAGCCTCCTTGTTCCTCCAGGTGGTAGTGCTC
GCTCTGGCGCAGATTAGAGGTCCACCGGAGAGCGGGCCCCCGGGTCCCCGGGACCG
CCGGGAGTGCCTGGATCCGACGGCATCGACGGTACAATGGGCCCCCTGGAAAAGCTGGC
CCTCCGGGACCCAAGGGCGAGCCTGGCAAAGCTGGCCAGATGGGCCAGACGGGAAGCCC
GGGATTGATGGTTAACTGGAGCCAAGGGGGAGCCTGGCCCCATGGGGATCCCTGGAGTC
AAGGGCCAGCCCGGCTTCTGTGTCCTCTGGCCTTCCGGGCCCTGGTTTTGCTGGACCT
CCTGGGCCTCCTGGACCTGTTGGCCTCCCTGGTGAAGATTGGAATCCGAGGCCCAAGGGG
GACCCTGGACCAGATGGACCATCGGGGCCCCAGGACCCCTGGGAAACCTGGTCGCCCCG
GGAACCATCCAGGGTCTGGAAGGCAGTGCAGATTCTGTGTCCAACCAACTGTCCACCC
GGAATGAAAGGTCCCCAGGGCTGCAGGGAGTGAAGGGGCATGCGGGCAAACGCGGGATT
CTGGGTGATCCTGGCCACCAGGGGAAGCCGGGTCCCAAGGGAGATGTGGGTGCCTCTGGA
GAGCAAGGCATCCCTGGACCACCGGGTCCCAGGGCATCAGGGGCTACCCAGGCATGGCA
GGCCCCAAGGGAGAGACGGGCCCTCATGGATATAAAGGCATGGTGGGCGTATCGGTGCC
ACTGGGCCACCGGTGAGGAAGTCTTAGGGGACCGCCAGGCCGAGCTGGGGAGAAGGGT
GACGAGGGCAGCCAGGTATTCGTGGACCCAGGGGATCACAGGCCCGAAAGGAGCAACG
GGCCCCCAGGCATCAACGGCAAGGATGGGACCCAGGCACGCCTGGCATGAAGGGCAGT
GCAGGACAGGCGGGACAGCCCGAAGTCCAGGCCACCAGGGCCTAGCGGGTGTGCCAGGC
CAGCCTGGGACAAAAGGAGGGCCTGGAGACCAGGGTGAAGCCGGGCCCGCAGGGCCTTCT
GGATTCTCTGGTCCCCCTGGGAAAGAGGGAGAGCCAGGGCCTCGAGGAGAAATTGGTCCC
CAGGGCATCATGGGACAGAAGGGTGACCAAGGCAGAGGGGTCCAGTGGGGCAACCAGGC
CCTCAGGGAAGGCAGGGCCCTAAGGGGGAGCAGGGCCCCCGGAATTCAGGGCCCCAA
GGCTTGCCAGGCGTCAAAGGAGACAAGGGCTCCCAAGGAAGACCGGGCCCCCGGCAAA
GTGGGTGACCCAGGGGTGGCCGGCCTCCCGGAGAGAAAGGCAGAAAGGGCGAGTCCGGC
GAGCCGGGGCCCAAGGGACAGCAAGGAGTACGTGGAGAACC CGGTACCTGGCCCCAGC
GGGGATGCGGGCGCCCCAGGGTTCAGGGTACCTGGTCCCCCGGCCCTCGAGGACTG
GCCGGGAACCGAGGCGTCCAGGACAGCCGGGAGACAGGGCGTGGAGGGCCGGGATGCC
ACTGACCAGCACATCGTGGATGTGGCGCTGAAGATGCTGCAAGAGCAACTGGCAGAGGTC
GCCGTGAGTGCCAAGCGGAAGCCCTGGGTGCGGTGGGCATGATGGTCTCCAGGACCT
CCTGGGCCCTGGGTACCCAGGCAAGCAGGGCCCCATGGGCACCTGGCCCTCGGGGC
GTTCTGGCATCGTGGGAGCCGTGGGTGAGATCGGCAACACGGGGCCCAAGGGAAAACGT
GGAGAGAAGGGTATCCAGGAGAAGTGGGACGGGGCACCCCGGGATGCCTGGGCCCCCA
GGGATCCCAGGACTCCCTGGCCGGCCTGGCCAGGCAATCAACGGCAAGGATGGAGATCGA
GGGTCCCAGGGGCTCCAGGAGAGGCAGGTGACCTGGCCTGCCAGGCCCGTGGGGCTG
CCGGGCTTCTGTGAACCTGCCGCTGCCTTGGAGCTTCGGCCTATGCCTCTGCCGCCTT
ACAGAGCTGGATCCATCAAGGGGCCTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001852

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<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_001852.3</a></u> , <u><a href="#">NP_001843.1</a></u>
<b>RefSeq Size:</b>	2831 bp
<b>RefSeq ORF:</b>	2070 bp
<b>Locus ID:</b>	1298
<b>UniProt ID:</b>	<u><a href="#">Q14055</a></u>
<b>Cytogenetics:</b>	1p34.2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	This gene encodes one of the three alpha chains of type IX collagen, the major collagen component of hyaline cartilage. Type IX collagen, a heterotrimeric molecule, is usually found in tissues containing type II collagen, a fibrillar collagen. This chain is unusual in that, unlike the other two type IX alpha chains, it contains a covalently attached glycosaminoglycan side chain. Mutations in this gene are associated with multiple epiphyseal dysplasia. [provided by RefSeq, Jul 2008]