

Product datasheet for **SC122610**

COL9A3 (NM_001853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COL9A3 (NM_001853) Human Untagged Clone
Tag:	Tag Free
Symbol:	COL9A3
Synonyms:	DJ885L7.4.1; EDM3; IDD; MED
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_001853 edited
GCCATGGCCGGGCGCGCGCTGCGCCCGCTCCTGCTCCTGCTCCTGCTCGGGGAGCTT
CTGGCGGCGCGCGGGGCGCAGAGAGTGGGACTCCCGGCCCGCGGCCCGAGGGCCG
CCCGGGAAGCCCGGCCAGGACGGCATTGACGGAGAAGCTGGTCTCCAGGTCTGCCTGG
CCCCGGGACCAAAGGGGGCCCCAGGAAAGCCGGGGAACCAGGAGAGGTGGGTGCCG
GGACTGCCGGGTGTGGATGGTCTGACTGGACGAGATGGACCCCTGGACCAAGGTGCC
CCTGGGGAACGGGAAGTCTGGGACCCCGGGCGCGCCGGGTGGGGGGCAAAGGCCTC
CCTGGACCCCGGAGAGGCAGGAGTGAGCGGCCCGCCAGGTGGGATCGGCCTCCGCGG
CCCCGGGACCTTCTGGAATCCCGGCCTCCTGGTCCCCAGGACCTCCCGGACCCCT
GGACACCCAGGAGTCTCCTGAAGGCGCTACTGACCTTCAAGTGCCTAAGTATCTGCCC
CCAGGTCCCCAGGGCCCCCTGGAATGCCAGGGTTCAAGGGACCACTGGCTACAAAGG
GAGCAGGGGGAAGTCGGCAAGGACGGCGAGAAGGGTGACCCTGGCCCCCTGGGCGCC
GGCCTCCCGGGCAGCGTGGGGTGCAGGGCCCCGGGGATTACGAGGACTGCCAGGGCCA
CTCGGGCCCCCTGGGACCGGGTCCCATTGGGTTCGAGGGCCGCTGGGATCCCAGGA
GCGCCTGGGAAAGCGGTGACCGAGGCGAGAGGGGCCAGAAGGGTTCCGCGGCCCAAG
GGTGACCTCGGCAGACCTGGTCCCAAGGAACCCCGGAGTGGCCGGGCAAGCGGAGAG
CCGGGCATGCCGGGCAAGGACGGCCAGAATGGCGTGCCAGGACTCGATGGCCAGAAGGA
GAGGCTGGTGCACCGGTGCTCCGGGAGAGAAGGGCCCCAACGGGCTGCCGGGCTCCCT
GGACGAGCGGGGTCCAAAGGCGAGAAGGGAGAAGGGGCGAGAGTGGGGAGCTGGGTGAG
GCCGGCCCTCTGGAGAGCCAGGCGTCCCTGGAGATGCTGGCATGCTGGGGAGCGCGGT
GAGGCTGGCCACCGGGGCTCAGCGGGGGCCCTCGGCCACAAGGCCCTCCCGAGCCCT
GGTGTCCGAGGCTTCCAGGGCCAGAAGGGCAGCATGGGAGACCCGGCCTCCAGGCCCC
CAGGGCTCCGAGGTGACGTGGGCGACCGGGTCCGGGAGGTGCCGAGGCCCTAAGGGA
GACCAAGGTATTGACAGTTCGACGCTTCTGCGGATAAAGGAGAACTGGGTCCAGC
GGCCTGGTCCGACCCAAAGGAGAGTCTGGCAGTCCAGGGGAGTGGGCCCAAAGGCACC
CAGGGTCCCAACGGCACCAGCGGTGTTAGGGTGTCCCGGGCCCCCGGTCTCTGGGC
CTGCAGGGCGTCCCGGTGTTCTGGCATCACGGGAAGCCGGGAGTTCGGGGAAGGAG
GCCAGCGAGCAGCGCATCAGGGAGCTGTGTGGGGGATGATCAGCGAACAATTGCACAG
TTAGCCGCGCACCTAAGGAAGCCTTTGGCACCCGGGTCCATTGGTCGGCCCGGTCCAGT
GGCCCCCTGGGCCCCCAGGACCCAGGCTCCATTGGTACCCTGGCGCTCGAGGACCC
CCCGGATACCGCGGTCCCACTGGGAGCTGGGAGACCCCGGGCCAGAGGAAACCAGGT
GACAGAGGAGACAAAGGCGCGCAGGAGCAGGGCTGGACGGGCTGAAGGAGACCAGGG
CCCAAGGACCCCAAGGCGTGCCCGGCACCAGCAAGGACGGCCAGGACGGTGCTCCCGG
GAGCCTGGGCTCCCGGAGATCCTGGGCTTCCAGGTGCCATTGGGGCCAGGGGACACCG
GGGATCTGCGACACCTCAGCCTGCCAAGGAGCCGTGTTAGGAGGGGTGGGGAGAAATCA
GGCTCTCGAAGCTCATAAAATTCACGTGAGGAAGCAAGTGACAAGGACGCCGAAGCAC
AGTGGACGGTCATGAAGGAGCGGGGTGTGGCAGGCGGGTGACGTCCAGGAGAGGGAGCG
CCCCTGGCTGCCCTCGGCCCGGACTGGACGCGCGGGCCTTCCAGCGAGCACCCCTCAT
CGGGCTGTCGCTGACAGCATACCTCAAAGGCCCTAGCTAATAAACCTGTAAGCCCAGC
ATTTGAGAGAAGGTAGGGTGTGTATATATAAAGGTTGTGTACAACCTCCACGAGGTGAAA
AATATTAGTAACCTGTTTACATAGCATTGTGTAAAGACTATGATCTCATCCCAATAAA
ATGATATATTAATAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001853 unedited <pre> TTTGTNGGAGTCAACATTTGTNATACGACTCATATAGGGCGGCCGCAATTCGCACGAGG GCCATGGCCGGGCGCGCGCTGCGCCCGCTCCTGCTCCTGCTCCTGCTCGGGGAGCTT CTGGCGGCGCGCGGGGCGCATAGAGTGGGACTCCCCGGCCCCCGGCCCGCCAGGGCCG CCCGGGAAGCCCGGCCAGGACGGCATTGACGGAGAAGCTGGTCTCCAGGTCTGCCTGGG CCCCGGGACCAAAGGGGGCCCCAGGAAAGCCGGGGAACAGGAGAGGTGGGTGCCG GGACTGCCGGGTGTGGATGGTCTGACTGGACGAGATGGACCCCTGGACCCAAGGTGCC CCTGGGGAACGGGGAAGTCTGGGACCCCGGGGCGCCCGGGCTGGGGGGCAAAGGCCTC CCTGGACCCCGGAGAGGCAGGAGTGAGCGGCCCGCCAGGTGGGATCGGCCTCCGCGGC CCCCGGGACCTTCTGGACTCCCGGCCTCCCTGGTCCCCATGACCTCCCGACCCCT GGACACCCAGGAGTCTCCCTGAAGGCGCTACTGACCTTCAGTGCCCAAGTATCTGCCCC CCAGGTCCCCAGGGCCCCCTGGAATGCCAGGGTTCAAGGGACCCACTGGCTACTAAGGC GAGCATGGGGGAAGTCGGCAAGGACGGCGAGAAGGGTGACCTGGCCCCCTGGGCCCGC CGGCCTCCCGACAGCGTGTGGCTGCAGGGCCCCCGGTGATTACGAGGACTGCCAGGGCC ACTCGGGCCCGCTGGGGACCGGGGTCCATTGGGGTTCCGAGTCCGCCTGGGATCCAG GAGCGCCTGGGAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001853
Insert Size:	2437 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).
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:	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_001853.2</u> , <u>NP_001844.2</u>
RefSeq Size:	2511 bp
RefSeq ORF:	2055 bp
Locus ID:	1299
UniProt ID:	<u>Q14050</u>
Cytogenetics:	20q13.33
Gene Summary:	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. Mutations in this gene are associated with multiple epiphyseal dysplasia type 3. [provided by RefSeq, Jan 2010]

