

Product datasheet for **SC210741**

Collagen IX (COL9A1) (NM_001851) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Collagen IX
Synonyms:	DJ149L1.1.2; EDM6; MED; STL4
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_001851
Insert Size:	801 bp
Insert Sequence:	>SC210741 3'UTR clone of NM_001851 The sequence shown below is from the reference sequence of NM_001851. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC CGAGCATTTAACAAAGGCGCTGACCCTTGAAGGCTTACTGCTGCATGGCTGTCTGCATGAACACGCC TGGTGAAGGAGCCTGGGTGAGAAACACCATCCAAAGCTGGGGCAAAGATGATTACCTTCAGCATGATTA CAATGTATTACCTTCAGTATGATTACAGAAGTCCTACTTGACAATCACATATAGAAGAACGGTGCTATT CAGTAAGTTCTCTTTCCCTTTCCCTTGGAGGGAAGACAGCAGAGTCATCAGTTAAAAAAAAAAAAAGAAA ACCAAACACCTCCCTTGAATAAATTATACTCCTGTTCCAGGATCTTGAGCTTTAGTGTGCTATACCT ATGTGTCTTATCGTGGGCCACTGTGCCAATAAACAAAAACAACTGTTTGGTTTACCTCAGTTGCAGTAG TTATTTTCATTTAGAAGTTGTTCTCAGATTATTGTTTCAGTTATATAGAGGATTACTAGACTAGTTATG AAGAAACCCCACTACATTCAATGGAATTGGTGCTTAAATCTCATCGATGTGCTGTCTCTGGAGTGATA AGAAAGGGGTACATCTCCCGAAATGATTTCTTTACGTCATGTATTGGTTTCCTTCTTACCTTGAACCT TTGTTGAAGTGTATGACTTTACCCCAAACCTGTTAATATTTTGAGCGCTTCTATGTGAAAGCAAAGAA ATCTCTGGTTGTACCAAAGAAGAAATAAATATGTTTCTTAA ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI



OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001851.6
Summary:	This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	1297
MW:	30.7