

Product datasheet for RN217695

Col11a1 (NM_013117) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col11a1 (NM_013117) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col11a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217695 representing NM_013117 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCTGGTCCAGGTGGAAAACGAAACGGTGGATCTGGGATCTCACCATCTCAACCCTCGTCTTGA
CTTTTCTCTTCCAAGCCAGAGAGGTCCAGGAGCTGCTCCAGTTGATATACTGAAAGCATTAGATTTTCA
CAATTCCTCAGTGGGAATATCTAAAACAACAGGATTTTGCACAAGCAGAAAGAATTCTAAGATCCAGAT
ATCGCTTATAGAGTTACCGAGGAAGCCAGATCAGTGCCCAACGAAGCAGTTATTTCCAGGAGCAATTT
TTCCGCAAGATTTTTCAATACTATTTACAATAAAACCCAAAAAAGGAACCAAGCTTCTCCTTGTCTCT
CTACAATGAACATGGCATTTCAGCAACTCGGTGTTGAGGTTGGGAGATCACCTGTTTTTCTATTTGAAGAC
CACACTGGAAAACCCACACCAGAAAACCTATCCTCTCTTCTCAACAGTTAACATTGCTGATGGAAAGTGGC
ACCGGGTAGCAATCAGTGTGGAGAAGAAAACCTGTGACAATGATTGTGATTGTAAGAAGAAAATCACAAA
ACCCCTCGATAGAAGCGAGAGATCGATAGTCGATACCAACGGAATCATGGTATTTGGAACAAGAATTTTA
GAAACAGATGTTTTCCAGGGTGATATTCAGCAGTTCCTGATCACTGGTGACCCCAAGGCAGCATATGACT
ACTGTGACCATTACAGTCCCGACTGTGACTTAACATCCAAGGCCGCTCAGGCCAGGAGCCGCACATAGA
TGAGTATGCACCTGAGGATATAATCGAGTATGACTATGAATATGGGGAGACAGACTATAAAGAGGCTGAG
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AACATTTCCGAGGATATTCTGTATGAAACAAAGGAATAGACGGCAGGGATTCTGATCTGCTGGTAGATG
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AGAATTTGGCCAGGTGTCCAGCAGAACTGATTTACAGAAACAAGCATCAATGGCCATGGCGCATAT
GGAGAGAAAGGGCAGAAGGGGAACTGCTGTAGTTGAACCCGGAATGCTTGTGAAGGACCACCTGGGC
CAGCTGGACCAGCGGGTCTTATGGTCTCCAGGACTACAAGTCTCTGGGCTCCCGGCGACCTGG
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TTAATGTTACCATTCCGCTATGGGGTGACGGCTCCAAAGGACCAACCATCTCTGCGCAGGAAGCCAGG
CTCAGGCGATTCTCAGCAGGCTCGGATTGCTCTGAGAGGCCCTCTGGCCAATGGGTCTTACCGGAAG



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ACCAGGTCTGTGGGGGTCTGGTTCAGCTGGAGCCAAAGGTGAGAGTGGGGATCCAGGTCTCAGGGT
 CCTCGAGGTGTCCAAGGTCTCCTGGTCCAACCGAAAACCTGGAAAGAGGGGCCGTCCAGGTGCCGATG
 GAGGAAGAGGCATGCCAGGAGAACCTGGGTCTAAGGGAGACCGAGGGTTTGATGGACTTCCAGGTCTGCC
 AGGTGACAAAGGTCACAGGGGGAAAGAGGTCCACAAGGTCCACCTGGCCTCCCCGGCGATGATGGAATG
 AGGGGAGAAGATGGAGAGATCGGGCCAGGGTCTTCCAGGGGAAGCTGGTCCACGAGGCTTGTGGGAC
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 GCCCTATGGGTCCACCAGGTCTCCTGGCCACGAGGCCCTCAAGGTCCCAATGGAGCTGATGGACCACA
 AGGACCCCAGGCTCTATTGGTTCAGTTGGTGGTGTGGGAGAAAAGGGTGAACCAGGAGAAGCAGGGAAC
 CCAGGACCCCCTGGAGAAGCCGGATCAGGTGGTCCCAAAGGAGAGAGAGGAGAGAAGGAGAAGCTGGGC
 CCCTGGTGTGCGGGTCTCCTGGTATTAAGGGGCCACCAGGTGATGATGGACCAAGGGGAATCCGGG
 ACCTGTTGGGTTTCTGGAGATCCTGGTCCACCTGGAGAACCTGGTCTGCAGGGCAAGATGGTGTGGGA
 GGTGACAAGGGTGAAGATGGAGATCCAGGACAACCAGGTCCCCCTGGTCCATCCGGTGAAGCTGGCCCTC
 CAGGTCCACCTGGAAAGAGAGGTCCGCCTGGAGCTTCCGGTCCGAAGGAAGGCAAGGAGAGAAAAGGTGC
 TAAGGGAGAAGCTGGAGCTGAAGGACCTCTGGAAAACCTGGCCCGGTCCGACCTCAGGGTCTTCTGGA
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 GCCAAGATGGACCCCCTGGTCTCTGGACCTCCTGGTTTACCTGGTCTCAAAGGTGATCCTGGCTCCAA
 GGGTGAAGGGGACATCCTGGTTTAATTGGATTGATTGGCCCTCAGGAGAACAAAGGGGAAAAGGGTGC
 AGAGGACTTCTGGGACTCAAGTTCTCCAGGAGCCAAAGGTGATGGGGGCATCCAGGTCTGCTGGTCC
 CCATAGGTCTCCTGGTCTCAGGATTACCAGGTCTGCTGGTCCGAAGGGTAACAAAGGATCTTCTGG
 ACCTACTGGCCAGAAGGGTGCAGTGGTATGCCAGGACCTCCTGGGCCTCCAGGTCTCCTGGAGAAGTC
 ATACAGCCATTACCTATTTTGTACCCGAAGAAAACAAGAAGACACACTGAAAGCATCCAGGCCGACGACG
 GTGATAATATTCTTGACTACTCAGATGGCATGGAGGAAATATTTGGTTCCTCAATTCTCTGAAACAAGA
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 AGCCACCCGACTTCCCAGATGGTGAATATTGGATTGATCCTAACCAAGGCTGCTCAGGTGATTCTTCA
 AAGTTTACTGTAATTTACAGCTGGTGGTGGAGAGTGCATCTATCCAGACAAAAAATCTGAGGGAGTAAG
 ACTTTCATCTTGGCCGAAGGAGAAAACAGGAAGTTGGTACAGTGAATTTAAGAGAGGAAAACCTGCTTCC
 TATTTAGATGTGGAAGGCAATCCATCAATATGGTACAAATGACATTCTGAAACTCCTGACTGCCTCTG
 CCAGACAAAACCTCACCTACAATTGCCACCAGTCAACTGCTTGGTATGACGTCTTATCAGGAAGTTATGA
 CAAAGCACTTCGGTTTCTGGGATCTAATGATGAGGAAATGTCCTACGAGAACAACCCACACATCAAAGCT

TTGTATGACGGCTGTGCGTCCCAGAAAGGCTATGAAAAGACAGTGATTGAGATCAATACTCCGAAAATTG
 ATCAAGTACCCATCATTGATGTAATGATCAATGATTTTGGTGATCAGAATCAGAAGTTGGATTTGAAGT
 TGGTCCAGCTTGCTTTCTTGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013117
Insert Size:	5415 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_013117.1</u> , <u>NP_037249.1</u>
RefSeq Size:	7673 bp
RefSeq ORF:	5415 bp
Locus ID:	25654
UniProt ID:	<u>P20909</u>
Cytogenetics:	2q41
Gene Summary:	subunit of heterotrimeric collagen XI molecule which is expressed in developing cartilage and plays a role in regulation of collagen fibril diameter size; alternatively spliced as six different isoforms; may be a substrate for BMP-1 [RGD, Feb 2006]