

Product datasheet for MC224941

Col11a1 (NM_007729) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col11a1 (NM_007729) Mouse Untagged Clone
Tag: Tag Free
Symbol: Col11a1
Synonyms: C530001D20Rik; cho
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224941 representing NM_007729
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCCCTGGTCCAGGTGAAAAACGAAACGGTGGATCTGGGATCTCACCATCTCAACCCTCGCCTTGA
 CTTTTCTCTTCCAAGCTAGAGAGGTGAGAGGAGCTGCTCCAGTTGATATACTAAAAGCATTAGATTTTCA
 CAATTCTCCAGTGGGAATATCTAAAACAACAGGATTTTGCACAAAACAGAAAGAATTCTAAAGATCCAGAT
 GTTGCTTATAGAGTTACGGAGGAAGCACAAATCAGCGCCCAACAAAGCAGCTATTTCCAGGAGGAATTT
 TTCCACAAGATTTTTCAATACTATTTACAATAAAACCCAAAAAAGGAACTCAAGCTTTCTCTTGTCCCT
 CTACAATGAACATGGCATTGAGCAACTCGGTGTTGAGGTTGGGAGATCGCCCGTTTTTCTATTTGAAGAC
 CACTGGAAAACCCACACCGGAAAACCTATCCTCTCTTCTCAACAGTTAACATTGCTGATGGCAAGTGGC
 ACCGGTGCAGTCAAGTGTGAGAGAAAGAACTGTGACAATGATTGTTGATTGTAAGAAGAAAATCACAAA
 ACCCTCGATAGAAGTGAAGATCGATAGTCGATACCAATGGAATCATGGTATTTGGAACAAGAATTTTA
 GAAACAGATGTTTTCCAGGTGATATTCAGCAGTTCTGATCACAGGAGACCCCAAGGCAGCATAACGACT
 ACTGTGACCATTACAGTCCAGATTGTGACTTAACATCCAAGCTGCCAGGCTCAGGACCTCACATTGA
 TGAGTATGCACCTGAGGATATAATCGAGTATGACTATGAATATGGGGAGACAGACTATAAAGAGGCTGAG
 AGTGTAACAGAGATGCCTACTTTTACTGAAGAAACAGTAGCACAAAACAGAGGCAAATATTGTGGATGATT
 TTCAAGACTACAATATGGAACAATGGAACCTTACCAGACTGAGACTCCTAGCGGGTATCAGGATCGAA
 TGAGCCAAATCCAGTTGAAGAAGTTTTACTGAAGAATATCTAACCGGAGAGGATTATGATGTCCAGAGA
 AACACTCCGAGGATATTCTGTACGGGAACAAAGGAGTAGACGGCAGGGATTCTGATCTCCTGGTAGATG
 GAGATTTAGGTGAATATGATTTTTATGAATACAAAGAATATGAAGAAAGGACTACGACCTCCCCTAATGA
 AGAATTTGGCCAGGTGTCCAGCAGAAACTGATTTACAGAAAACAGCATAAATGGACATGGTGCATAT
 GGAGAGAAAGGCGAGAAGGGGAACCGGCTGTGGTTGAACCCGGGATGCTTGTGTAAGGACCACCTGGGC
 CAGCAGGACCAGCGGCTTATGGTCCAGGGCTACAAGGCTCTTCTGGGCTTCCCGGCGACCTTGG
 GGATAGGGGCCACCAGGACGTCCTGGCTTACCAGGGGCTGATGGTTTACCTGGACCTCCTGGAACCATG
 CTGATGTTACCATTCCGCTATGGGGGTGACGGCTCCAAGGACCAACAATCTCTGCACAGGAAGCCAAAG



[View online >](#)

CTCAGGCGATTCTTCAGCAGGCTCGGATTGCTCTGAGAGGCCCTCCTGGCCCAATGGGTCTTACTGGAAG
ACCAGGTCCTGTGGGGGGTCTGGTTCAGCTGGAGCCAAAGGTGAGAGTGGGGATCCAGGTCCTCAGGGT
CCTCGAGGTGTCCAAGGTCCTCTGGTCCAACGGGAAAGCCTGGAAGAGGGGGCCGTCCAGGTGCTGATG
GAGGAAGAGGCATGCCAGGAGAACTCTGGGTCTAAGGGAGACCGAGGGTTTGATGGACTTCCAGGTCCTGCC
TGGTGACAAAGGTCACAGGGGAGAAAGAGGTCCACAAGGTCCACCTGGCCTCCCTGGCGATGATGGAATG
AGGGGAGAAGATGGGGAGATCGGGCCAGGGGTCTTCCAGGTGAAGCTGGTCCAAGAGGCTTGTCTGGGAC
CAAGGGGAACCTCAGGACCCCTGGGCAGCTGGTATCGGAGGTATAGATGGCCCAAGGACCAAAAGG
AAACATGGGTCCCAAGGGGAGCCTGGACCACAGGTGAGCAAGGAAATCCAGGACCTCAAGGACTTCTCT
GGTCCACAAGGCCCAATTGGCCCTCCAGGAGAAAAAGGGCCACAAGGAAAACAGGGCTTGCGGACTTC
CTGGTGTGATGGACCTCCTGGTCATCCTGGGAAAGAAGGCCAGTCTGGAGAAAAGGGTGCCTGGGTCC
TCCTGGTCTCAGGGGCTATTGGTTATCCTGGTCCCCGTGGAGTAAAGGGAGCAGATGGTGTGAGAGGT
CTCAAGGGCTCTAAAGGCGAAAAGGGTGAAGATGGCTTTCAGGATTCAAAGGTGACATGGGTCTTAAAG
GTGACAGAGGCGAGGTGGTCAAGTTGGCCAAGAGGAGAAGTGGCCCTGAAGGCCCAAGGCCGTGC
AGGCCAACTGGAGACCCAGGTCCTCTGGCCAAGCAGGAGAGAAGGGAAAACTTGGGGTCCAGGATTG
CCGGGATATCCAGGAAGACAAGGTCAAAGGGATCCACTGGATTTCTGGATTTCCAGGTCCAACGGGG
AGAAAGGTGCCCGGGGAATTGCTGGCAAACCAGGCCCGGGGACAGCGTGGTCCAACGGGTCTCGAGG
TTCCAGAGGCGCCAGAGGTCCCACGGGAAAACCTGGTCCGAAGGGTACTTCCAGGTGGTGTGACCCTCT
GGTCTCCAGGCGAAAAGGGGCCCTCAAGGACCTCAAGGTCAGTGGATTCCCTGGACAAAAGGCCCC
CTGGCCCTGTGGGAAAGATGGGCTACCAGGACCCCTGGGCAGCGTGGTGTGAGACTGGATTTCAAGGCAA
GACAGGTCCCCCTGGACCAGGAGGTGTGGTAGGACCACAGGGACCACTGGTGTGAGACTGGTCTATAGGT
GAACGTGGCCATCCCGGCCCTCCTGGTCTCTGGCGAGCAAGGACTTCCCGTGTGCAGGGAAGAAG
GTGCAAGGGTGTATCCCGGCCCTCAAGGTATCTCAGGAAAAGTGGACCAGCAGGAATACCGGTTTCCC
AGGTGAAAAGGGCTTCTGGAGCCAGGGTGCACCTGGGCTGAAAGGAGGAGAAGTCCCAGGGCCCA
CAGGGTCCAGTTGGCTCTCCTGGAGAGCGAGGCTCAGCAGGCACAGCAGGCCAATTGGTTTGCAGGAC
GTCCAGGCCCCAGGGTCTCCTGGTCCAGCTGGAGAAAAGGTGCTCCTGGAGAAAAGGGTCCCAGGG
TCTGCAGGTAGAGATGGTGTCCAAGGCCCTGTGGGTCTCCAGGACCTGCTGGTCTGCTGGTCTCCT
GGAGAAGATGGAGACAAGGGTGAATTTGGTGAACCAGGCCAAAAGGGCAGCAAAGGTGACAAAGGCGAAA
ATGGTCTCCTGGTCCCCCGGACTTCAAGGACCTGTTGGTGTCTCTGGAATCGTGGAGGCGATGGTGA
GCCAGGTCCCGAGGACAGCAGGGAATGTTTGGACAAAAGGTGATGAGGGCGCACGAGGTTTCCCAGGA
CTTCTGGCCCCATAGGTCTTCCAGGGTGGCCAGGCCACCAGGTGAAAAGGGCGAAAATGGAGACGTTG
GCCCATGGGTCCACCAGGTCTCCTGGCCACAGGCCCTCAAGGTCCCAATGGAGCTGATGGACCACA
AGGACCCCAAGGTCATTTGGTTCAAGTGGTGTGGTGGGAGACAAGGGTGAACCTGGAGAAGCAGGGAAC
CCAGGGCCCCCTGGGGAAGTGGCTCTGGTGGTCTCAAAGGAGAGAGAGGAGAGAAGGAGAAGTGGGC
CCCCTGGTGTGCAGGTCTGCTGGTATTAAGGGGCCACCAGGTGATGATGGGCCCAAGGGGAACCCGGG
ACCCGTTGGGTTTCTGGAGATCCTGGTCCACCTGGAGAACCTGGTCTGCGAGGGCAAGATGGTGTGGGA
GGTGACAAGGGTGAAGATGGAGATCCAGGACAACCAGGTCCCCCTGGTCCATCTGGTGAAGCTGGCCCTC
CAGGTCTCCTGGGAAGAGAGGTCCGCCTGGAGCTTCAAGTTCAGAAGGAAGGCAAGGAGAAAAAGGTGC
TAAGGGAGAAGCTGGTGTGAAGGACCTCTGGGAAAACCTGGCCCTGTCGGACCTCAGGGACCTTCTGGA
AAGCTGGTCCAGAAGGCTTTCGAGGCATCCCTGGTCTGTGGGAGAACAAGGTCTCCAGGTGCTGTG
GCCAAGATGGACCTCCTGGTCTCTGGGACCTCCTGGTTTACCTGGTCTCAAAGGTGACCTGGATCCAA
GGGTGAAAAGGGACATCCTGGTTAATTGGATTGATTGGTCTCCAGGAGAAACAAGGGGAAAAAGGTGAC
AGAGGACTTCTGGGACTCAAGGTTCTCCAGGAGCCAAAGGCGATGGGGCATCCAGGTCTGCTGGTCT
CCATAGGTCCCCCTGGTCTCCAGGATTACCAGGTCCCGCTGGCCGAAGGGTAACAAAGGATCATCTGG
ACCTACTGGCCAGAAGGGTGCAGTGGTATGCCAGGGCTCCCGGGCTCCAGGTCTCCTGGAGAAGTG
ATACAGCCTTTGCCTATTTTGTACCAAAAAAGACCAGAAGACACACTGAAAGCATCCAGGGTGTGACAG
GAGATAATATTCTTGACTACTCAGATGGCATGGAGGAGATATTTGGTTCCTCAATTCTCTGAAACAAGA
CATTGAACACATGAAGTTTCCCATGGGCACACAGACCAACCAGCACGAACATGCAAAGACCTGCAACTC
AGCCATCCCGACTTCCCAGATGGTGAATATTGGATTGATCCTAACCAAGGTTGTTCCAGGTGATTCTTCA
AAGTTTACTGTAATTTACAGCTGGTGGTGTGAGACATGCATCTATCCGGATAAAAAATCTGAGGGAGTAA
AATTTTCATCGTGGCCAAAGGAGAAAACCAGGAAGTTGGTACAGTGAATTTAAGAGAGGAAAACCTGCTTCA
TATTTAGATGTGGAAGGCAATCCATAAATATGGTACAAATGACATTCCTGAAGCTCCTGACTGCCTCTG
CCCGGCAAAACTCACCTACAATTGCCATCAGTCAGCTGCCTGGTATGACGATTATCAGGAAGTTATGA

CAAAGCACTTCGATTTCTGGGATCAAATGATGAGGAAATGTCCTATGAGAACAACCCACACATCAAAGCT
TTGATGATGGCTGTGCGTCTCGAAAAGGCTATGAAAAGACAGTGATTGAGATCAATACTCCGAAAATTG
ATCAGGTACCCATCATTGATGTAATGATCAATGATTTTGGTGATCAGAACCAGAAGTTTGGATTTGAAGT
CGGTCCAGCTTGCTTTCTTGGATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_007729
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).
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:	NM_007729.3 , NP_031755.2
RefSeq Size:	7705 bp
RefSeq ORF:	5415 bp
Locus ID:	12814
UniProt ID:	Q61245
Cytogenetics:	3 49.35 cM
Gene Summary:	This gene encodes the alpha-1 subunit of type XI collagen, one of the low abundance fibrillar collagens that is essential for normal embryonic skeletal development and the cohesive properties of cartilage. The encoded protein, in association with the alpha-1 subunit of type II collagen, forms a heterotrimeric type XI procollagen that undergoes proteolytic processing. Mice lacking the encoded protein develop severe chondrodysplasia and die at birth. [provided by RefSeq, Dec 2015]