

Product datasheet for **RN214167**

Col5a3 (NM_021760) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col5a3 (NM_021760) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col5a3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214167 representing NM_021760 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAAGCTGCCGGAGACTGGACCAGCTTCAGGCCGGCCTCTGCCTGCTCCTGGCCTCCCTACAACCTCG
TGTCTGGACGCTGGCTGCAGAACCTGTGGATGTATTGAAACCTTGGGTGTGCATAGGGACAAGGCTGG
GGTGACCAAAGGGCCTGGCTTCTGCCCCAGAGGATTCCACAGGGTGACCGAGCATTTCAGGGTGGGCAAG
TCCAGCCTTCTCAGCGTCCCCACATGGCAGCTCTTCCAGATGGACATTTCTGAGAACTTTTCTGTGC
TGCTCACTCTGCGGGCCAGCCAGCCAATCAATCTGTCCTTCTGTCTATATAGCAGAGAATGGTGTCCG
GCAGATGGGGCTGGCACTGGGGCCAGCTCTGGGTCTCCTTGGTACTCTTTCAGGTCTCTTCCCAAGCAG
ATCAACCTTATGGATGGCAGGTGGCACCAGGGTGGCGGTGAGCATCAGCGGTGACAAGGTGACCCTGGTGG
TTGACTGTGAACCTCAGCCCCCATGTTTGGTCAAGGGCCTCGGGTTATAAGTACAGCTGGACTCACGGT
GATGGGAACCCAGGAGCTCGGGGAGGAGCTTTTGGGGAGACATCCAGGAGCTGCTGTTAATTCAGAC
CCTCAGGCTGCTCTCAGGCCTGTGAGCTCTACCTGCCTGACTGTGAGACCCCGATTCCACAACCACAG
GGTCACTAAAGAAGAACCAGAAACACCTGCCCTCGTCGACGAAAGGGCAAAGGAAAGAAAAAGATCG
GGTTCGCAAGGGCAAGGGAAGAAAGAAAAACAAGACCTCAAGACTGAGTCCAACCCAGGTGCCCTGAG
AACCAGACCTCCCTCCACACCCCTGAGACAGAGAAGCCATCGCCCATCTGCCTCCAACCTCCACACCTT
TGGCCATCACCACCACTGTACGATGGGAGGAAATGCCACAGTTTTGCAGGGGTTGGACTCCAGTACTGA
AACTGAGCAGATGACTCCAGAGATGGACGCTACTGAAGAGAGTGAAGGAGGTGGCCCGACCATGGGCCCC
GAGTTCGGGCAGCAGAACAGTCTTTACAGACTGAGTTCAGATCTTCTGGTGTGGAGAAAAGGGAG
CGAAAGGAGAACCTGCGACTATAGAGCAGGGACAGCAGTTTGGGGACCTGCAGGAGCTCCAGGACCCCG
GGGAATATCTGGTCTTCAGGCCCTCCTGGGCCTCCGGGCTTCCCTGGGACCGTGGCCTACCGGGCCCT
GCTGGCCTCCAGGAATCCAGGCATTGATGGCGTCCGGGGCCTGCCAGGCACAGTGATCATGATGCCGT
TCCATTTTGAAGCGGCTCGATGAAAGGACCCCAAGTCTCCTTTCAACAGGCACAGGCCAGGCAGTACT
GCAACAGGCTCAGCTGTCCATGAAAGGGCCCCCTGGTCCAGTAGGGCTCACTGGGCGCCAGGCCCTGTG
GGCCTCCCTGGATATCCAGGTCTGAAAGGTGAATTGGGAGAAGCAGGGCCTCAGGGCCCCGAGGATTGC
AGGGCCCTCCTGGCCTCCTGGACGGGAAGGCAAGACAGGCCGAGCTGGAGCAGATGGGGCTCGGGGTCT
TCCGGGAGACACAGGACCTAAGGGTGACCGGGCTTTGATGGCCTGCCTGGACTGCCTGGTGAAGGGC



CAGAGGGGTGACTTTGGACCTGTAGGACAACCTGGTCCCCCAGGAGAAGATGGTATAAAGGGCCTGCAGG
GACCTCCAGGCCCACTGGCCAGGCTGGAGAGCCGGTCCCCAGGTCTGATTGGCCCCAGAGGCCCCCC
TGGTCTTTAGGACGCCCGGTGTGACAGGGAGTGATGGCGCACCGGGTGCCAAAGGCAACGTGGGTCT
CCCGGAGAACCAGGCCCCAGGACAGCAAGGAAACCACGGTCCCAGGGAATCCCAGGCCCCAGGGGC
CCATTGGCACACCCGGGAGAAGGTCTCTGGAAACCCGGAATCCAGGTGTCCAGGATCTGAGGG
CCCCCGGGCCACCCAGGCATGAGGGTCCCACCGGAGAAAAGGGGGCTCAGGGCCACCAGGGTCAGCA
GGCCCTCAGGGCTATCCTGGACCTCGTGGTGTGAAGGGTACCTCTGGTAACCGGGCCCTCAAGGAGAGA
AAGGAGAAAAGGGGAGAGGATGGTTTTCCAGGCTTCAAGGGTGATGAGGGACCAAAAGGCGACCCGGGAAA
CCCGGGACTCCCAGGTCCCAGAGGAGAGGATGGCCAGAAAGGACAAAAGGGCCCTGAGGGACTGCCTGGT
GATGAGGGCCCCCAGGAGCAGCAGGGGAGAAGGGCAAGCTTGGGGTGCCAGGTCTCCCAGTTATCCAG
GACGCCCAGGACCTAAGGGATCTATTGGATTTCTGGGCCCTTGGACACTGGGGGAGAAAAGGCAAGCG
GGGCAAAGCAGGGCAGCCAGGGGAGGAAGGAGAAGCTGGCACACCCGGGCACCAGAGGAGACAGAGGACAG
CCAGGGGCCACAGGCCAGCTGGCCCTAAGGGAGATGTGGCCAGAACGGGTCTCTGGGGCCCCGGAG
AAAAGGGTCTACCGGTCTGCAAGGTCCCCAGGATTCCTGGGCCAAAAGGCCCCCCAGGTCTCAGGG
GAAAGATGGGATACCCGGACACCTGGACAAGAGGAGAATTGGGCTTCAAGGTGAGACAGGCCCCCT
GGACCAGTGGTGTCTTGGTCTCAGGAAAAGGTAGGGGATGTGGGTCTCTAGGCGAGAGAGGCCCCC
CAGGGCCTCTGGACCGCTGGTGAACAGGTCTGCCAGGCATAGAAGGCAGAGAAGGGGCCAAGGGTGA
GCTAGGACCCCTGGGGTCCCTCGAAAGGAGGGGCCACCTGGGCCATGGGCTTCCCTGGCCACAAGGA
GCCCCCGAGACCCAGGACCCATTGGTTGAAGGGTGACAAGGGTCCCCGGGCCCTTTGGGGCAAATG
GCTCCCCAGGTGAGCGTGGTCTGTGGGCCCTCTGGAGGCAATGGGCTTCTGGCCAGAGTGGTGGGCA
AGGCCCTATTGGTCTGTGGTGAAGGGTCCCCGGGAGAACGGGTGTGCCTGGTCTACTGGCAA
GATGGTATTCCAGGGCCCCGGGACTTCAGGGGCCCTGGAGCTGCAGGGCCTTCTGGTGAAGGAG
ACAAGGGGAAGTAGGGATGCCCTGGACACAAGGGAAGCAAGGGGATAAAGGAGATGCGGGCCCACTGG
ACCAACAGGAATAAGGGGTCCAGCGGGCCATCCAGGCCCCCGGGTGTGATGGTGTGAGGGTCCGGC
GGACCCCTGGCCTCTTTGGGCAGAAAGGTGATGATGGAGTCCGAGGCTTTGTAGGTGTAATTGGTCTC
CAGGCCTGCAGGGGTGCCGGGCCCTCTGGGAGAAAAGGCGAGGTTGGAGACGTGGGATCCATGGGTCC
CCACGGAGCTCCAGGCCCTCGGGTCCCCCTGGGCCAGTGGATCAGCGGGTCCCAGGGCTGCCTGGA
GGAGTAGGGCAGCTGGCGCTGTGGCGAGAAGGGTGAGCCAGGGAATGCTGGAGACGTGGACCCACAG
GAGTTCAGGCATCCCTGGGCCAAAGGTGAAATTGGTAAAAGGGGGATTGGGTCCATCAGGGGTGC
TGGTCTCCAGGCAAAAAGGACCTCTGGAGAGGACGGAGCTAAGGGGAACATGGTCCCACAGGACTC
CCTGGAGATCTAGGACCCCAAGGAGACCTGGAGTTCGGGTACGGATGGCATCCAGGGGAGAAGGGGA
ATGCTGGTATATTGGGGACCGGGGCCACCTGGAGCTTCAAGGGAACCTGGTGCCTGGGCTCCCTGG
CAAGAGGGGTTCCCTGGCCGATGGGTCCAGAAGGAAAAGGGGAGAGAAGGGCCCAAGGGAGATGCT
GGTCCCAGTGGCCCCCAGGCAGAACAGGCCCAATGGGGCTCGGGGGCCCCCTGGACGGGTTGGGCTG
ATGGTCTTCCAGGGATCCCTGGTCTGTGGGTGAACAGGTCTCTGGGACCTCTGGGTAATCGGCC
TCCAGGGCCCCTGGGCCACCTGGCCTCCCTGGCTGAAGGGAGACGCTGGCCTCAAGGGGGAAAAGGGC
CACATTGGGCTAATCGGCCTCATTGGTCCCCAGGGGAGGCTGGGAAAAAGGCGATCAGGGGTTGCCAG
GTGTGCAGGGCCCTCAGGCCTCAGGGAGACCTGGTCTTCTGGTCTGTTGGCTCTTAGGTACCC
TGGGCCCCAGGTGTGGTGGGCCCTCTGGGACAGAAGGGTCCAAGGGGTCCCCGGGATCTCTTGACCT
CGTGGAGACCCTGGACCAGCAGGTCTCTGGTCCCCCGGGTCCCCTGCTGAGGTGCACGGCCTGCGTA
GGCGCCGCTCTGTGTTGGACACCCAGAAGGTGGCCTGGAGGAAGTATGGCCTCACTCAATCACTGAG
CTTGGAGCTGGAGCAGTTGCAGCAGCCCCAGGCACAGCCGAGAGCCAGGCCTCATATGCCACGAGCTT
CATCGAAACCACCCACACCTGCCGACGGAGAGTACTGGATTGACCCCAATCAGGGCTGTGCACGGGACG
CCTTCAAGGTCTTCTGCAACTTCACTGCCGAGGTGAGACCTGTCTTACCCAGACAAGAAGTTGAGAC
GGTGAACCTGGCCTCTGGTCCCAGAAAAGCCTGGAGGTTGGTACAGCACCTCCGCGGAGGGAAGAAG
TTCTCTATGTGGATGCTGACGGCTCCCCGGTGAATGTGGTCCAGTTGACCTTCTGAAGTTGTTGAGCG
CTGCAGCCATCAGAGGTTCACTTACACCTGCCAGAACTCCGAGCATGGCTGGACGAAGCTTCAAGTGA
CCACAGGCACTCTATCCGCTTCCAAGGGACCAACTGGGAAGAGTTGTCTTCAACCAGACAACAGCAGCC
ACCATCAAGGTCCCCATGATGGCTGCCGGTCCGGAAGGGACAGGCCGAAGACCTCTTTGAATTAGCT
CTTCTGTGGGCTTCTGCCTCTGTGGGATGTGGCCGCCGTTGACTTTGGCCAGACGAACCAGAAGTTGG
GTTTGAACCTGGCTCCGCTGCTTTAGCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_021760
Insert Size:	5214 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:	<u>NM_021760.1</u> , <u>NP_068528.1</u>
RefSeq Size:	6076 bp
RefSeq ORF:	5214 bp
Locus ID:	60379
Cytogenetics:	8q13
Gene Summary:	alpha chain of type V collagen [RGD, Feb 2006]