

Product datasheet for RN217584

Col18a1 (NM_053489) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col18a1 (NM_053489) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col18a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217584 representing NM_053489 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCAGGTGGCACCTCCTGGACATGCTCACCAGTTTGGTCTTGCTGCTGGTGGCACGCGTCTCCT
GGGCAGAGCCAGAGAATGTTGCTGAAGATGTGGGGCTCCTGCAGCTCCTCGGAGACCCCTACCCAGAA
GATCTCCCAAGTCGAAGACCCTCATGTCGGGCTGGCCTACGTCTTTGGACCATACTCCAAAAGTAGTCAG
ATGGCCAGTATCACTTCCCTAAACTCTTCCGGGACTTTTCGCTGCTGTTTGAAGTCCGGCCAAACA
CAGAGCCCGCAGGGGTGCTGTTTGTCTACACAGATGCCGCCAGTGGTGGTCTCGCTAGCGTGAAGCT
CTCAGAGTCCGAGATGGACAACAGAACATCTCATTGCTCTACACGGAGCCCGGGCCAGCCAGACCCAG
ACGGGAGCCAGCTTCCGCTACCTGCGTTTGTGGCCAGTGGACACACTTCGCGCTCAGCGTGGATGGAA
GCTCCGTGGCTCTACGTAGACTGTGAAGAGTCCAGAGAGTCCGCTTCGCTCGGTCCACACCGTCT
GGAGCTAGAGCGTGGCGCTGGCCTCTTTGTGGGTGAGGCTGGAGCAGCGGACCCTGACAAGTCCAGGGA
ATGATCTCAGAGCTGAGAGTACGAAAACCCCGGGTGGCCCTGTGCACTGCCTGGATGAAGAAGATG
ATGATGACGACCGGCATCTGGAGATTTTGAAGTGGCCTCGAAGAAAGCAGCAATTTACACAGGCAGGA
GACATATCTACGACCCGGGCTCCCCAGCCACCTCCTGTCACTTCCCCGCCCTTGCTGGAGGCAGTGCC
ACCGAAGATTCTAGGACAGAAGAAAAGGAGGAAGAAGCCACGGTAGATTCTAAAGGAGCTGATACCTTC
CTGTCACAGATTAAGCGGTGTGTGGGACGGGGATGTCCAGAACCCTGGAGGTGGCTTGATAAAGGGAGG
TCTCAAAGGACAAAAGGGAGAGCCAGGTGCTCAAGGCCACCTGGCCAGCTGGGCCCCAGGGTCTGCC
GGTCCAGCGGTACAGAGCCCGCAGCTCACAACTGTCCCTGGAGCACAAAGGACCCCGGGACCTCAGGGAC
CACCAGGGAAGGATGGCATCCCGGGAAGGGATGGTGAACCAGGCGACCCTGGTGAAGACGGGAGGCGGG
TGACACTGGACCTCAAGGCTTCCCGGGACCCAGGAGATGTGGGCCCTAAGGGTGAAGAGGGAGATCCT
GGTATTGGGCTCGAGGACCTCCAGGACCTCCGGGACCACCAGGACCCTCCTTCAGACAGGACAAGCTGA
CCTTCAATTGACATGGAGGGATCTGGTGGTTTCAGCGGAGACCTAGAGAGCCTCAGAGGCCACGAGGCTT
CCCTGGTCCCCAGGTCCTGCTGCCAGGACTGCCTGGTGAACCAGGGCGCTTTGGAGTCAACAGT
TCTACGACACGAGACCTGCAGGCTTCCCTGGTGCCTGGGAAGGAAGGCCCCCTGGTTTTCTGGTC
CCCCAGGACCTCCAGGCAAGAGGGCCACCAGGAGTGGCCGGCCAGAAAGGCAGTGTGGCGATGCAGG



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CAGCCCAGGACCCAAGGGGAGCAAAGGAGACCTTGGGCCATTGGTATGCCTGGGAAGTCTGGCTTGCCG
 GGACTCCCTGGCCAGTTGGACCCCAGGACCTCCAGGGCCTCCAGGGCCACCAGGACCAGGATTTGCTG
 CTGGATTTGATGACATGGAAGTTCTGGAACACCTCTCTGGTCAACAGCCGAAGCTCCGATGGGCTGCA
 GGGGATCCTGGAGTGACTGGGCCACCTGGGGCCAAGGGAGAAGTTGGAGCAGACGGAGTCCAGGGC
 CCTGGTCTCCAGGAAGAGAGGGTGTAGCTGGGCCCGGGACCCAAAGGAGAGAAAGGGACCCAGGGAG
 AAAAGGGAAACCCAGGAAAAGATGGAGTAGTGGCCAGGCCCTCCCTGGCCCTCCAGGCCCCAGGGCC
 TGTGATCTATGTGTCAAATGAGGATAGAGCTGTAGTAAGCACCGGGACCTGAGGGCAAGCCAGGGTAC
 GCAGGCTTTCTGGACCTGCTGGACCGAAGGGTGACCTGGGTTCCAAAGGCGAGCAGGGTCTTCCAGGGC
 CCAAGGGTGAGAAGGGAGAACCAGGCAGTATCTTTAGCCCTGATGGCACAGCCCTGGGCCAGGCCAGAA
 GGGAGCCAAGGGAGAACCAGGCTTCCGAGGACCCCGGGTCTTATGGACGGCCTGGGTACAAGGGTAA
 ATTGGCTTCCCTGGACGGCCGGTCTGCCGAAACAAATGGCTTAAAGGGAGAGAAAGGGGAGCCTGGAG
 AGGCCAGCCTTGGGTTCCAGCATGAGGGGACTGCCTGGCCCCCTGGCCCTCCAGGCCCCAGGCTCTCC
 CGGAGTGCCCGTCTATGACAGCAATGCATTTGTGGAGTCTGGCCGACCTGGACTACCAGGACAGCAAGT
 GTGACGGGGCCTCCAGGACCAAGGGTGACAAAGGAGAGGTGGGCCACCCGGGCCACCAGGGCAGTTCC
 CCATTGACCTTCCACCTGGAAGCCGAAATGAAGGGGGACAAGGGAGACCGAGGGGATGCTGGACGGAA
 GGGAGAGAGGGGAGAGCCTGGGGCTCCTGGTGGTGGATTCTTCAAGTGTACCTGGACCACCTGGC
 CCACCTGGATACCTGGAATCCGGGTCCAAAAGGAGAGAGCATTGCGGGTCCCGCTGGCCCTCCTGGCC
 CGCAGGGACCTCCTGGCATTGGATATGAGGGGCGCCAGGGCCCCCAGGACCTCCAGGACCTCCAGGACC
 TCCCTCATTCCCTGGCCCTCATAGACAGACTGTGAGTGTCTGGTCTCCAGGCCACCTGGCCCCCA
 GGTCCCCCAGGAGCCATGGGTGCCTCTGCTGGGAGGTAAGGATCTGGGTACATACCAGACCATGTTGG
 ACAAGATACGTGAGGTGCCAGAGGGTGGCTCATCTTTGTGGCCGAGAGGGAAGAGCTCTACGTACGGGT
 TAGAAATGGCTTCCGTAAGGTGCTGCTGGAGGCCCGACAGCCCTCCCGCACGGGACGGACAACGAGGTA
 GCTGCCCTGCAACCTCCATTGGTACAGTTCATGAGGGCAGTTTCATATACCCGGAGGGAGCACTCCTATC
 CCACGGCACGACCTGGCGAGCAGATGACATCTTGGCCAACCCACCACGCTCTGCCGGACCCAGCCTTA
 CCCGGGAGTTCCACACCACCACCACCACCACCACCACCACAGTTCTCATGAACACCGCCGCCAGCC
 CACCCCTCCCCCTCACCTGCCATACTCACCAGGACTTTCACCCAGTGTCCACCTGGTGGCACTGAACA
 CCCCTCTGTCTGGAGGCATGCGTGGTATCCGTGGGGTGAAGTCCAGTGTCCAGCAAGCCGAGCCGT
 GGGGCTGTCTGGCACCTTTCGGGCTTCTGTCTCTAGGCTGCAGGACCTCTACAGCATTGTACGCCGT
 GCTGACCCGAGCTCTGTGCCATCGTCAACCTGAAGGATGAGGTAATCTCCAGCTGGGACACCTGT
 TCTCCGGTCCCAGGGTCAACTGCACTCTGGGGCCCGCATTTTTCTTTCGACGGCAGAGACGCTCCTGAG
 ACACCCAGCCTGGCCACAGAAGAGCGTATGGCATGGCTCAGACCCAGTGGGCGCAGGCTGATGGAGAGC
 TACTGTGAGACGTGGAGGACTGAAGCTACTGGGGTTACAGGTGAGGCCTTCCCTGCTGTGGGCAGGC
 TCTTGGAAACAGAAGGCCGAGAGCTGCCACAACAGCTATATCGTCTGTGATTGAGAATAGCTTCATGAC
 CTCTTTCTCCAAATAG

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-NotI
- ACCN:** NM_053489
- Insert Size:** 3936 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_053489.2</u> , <u>NP_445941.2</u>
RefSeq Size:	5007 bp
RefSeq ORF:	3936 bp
Locus ID:	85251
Cytogenetics:	20p12
Gene Summary:	intermediate filament protein; a precursor of the angiogenesis inhibitor endostatin [RGD, Feb 2006]