

## Product datasheet for MC204841

### Col18a1 (NM\_009929) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Col18a1 (NM\_009929) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Col18a1  
**Synonyms:** endostatin  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC064817  
 TCACCGAGGAGCTGGGTGCAGCATCCGGGCGCAGACGGCCTGGCCTGGGAGATGGCGCCAGGTGGCAC  
 CTCTGGATGTGCTCACCAGTTTGGTCTTGTCTGCTGGTGGCACGGTCTCCTGGGCAGAGCCAGAGAATG  
 TTGCTGAGGAGGTGGGGCTGCTGCAGCTCCTTGAGACCCCTACCTGAGAAGATCTCACAAATCGATGA  
 CCCTCACGTCCGGGCCGGCTACATCTTTGGACCAAGTGGCCAGGTGGCCAGTATCATTTTC  
 CCAAACTCTTCTCCGGGACTTTTCGCTGCTGTTTCATGTCCGGCCAGCCACAGAGGCAGCAGGGGTGC  
 TATTTGCCATCACAGATGCTGCCAGGTGGTAGTCTCACTGGGCGTGAAGCTCTCAGAGTCCGAGATGG  
 ACAGCAAAACATCTCATTGCTCTACACGGAGCCTGGGGCCAGCCAGACCCAGACGGGAGCCAGTTCGCGC  
 CTACCTGCATTTGTTGGGCAGTGGACACACTTCGCGCTCAGCGTCGACGGAGGCTCTGTGGCTCTCTACG  
 TAGACTGTGAAGAATCCAGAGGTGCCATTTGCTCGGGCCTCGCAGGGACTGGAGCTAGAGCGTGGCGC  
 TGGCCTCTTTGTGGGTGAGGCTGGAACAGCAGACCCTGACAAGTCCAGGGGATGATCTCAGAGCTGAAG  
 GTACGCAAAACCCCGGGTGGCCCTGTGCACTGTCTGGATGAAGAAGATGATGATGAAGACCGGGCAT  
 CTGGAGATTTTGAAGTGGCTTTGAAGAAAGCAGCAAGTACACAAAGGAGATACATCTCTACTACCTGG  
 GCTCCCTCAGCCACCTCTGTCACTTCCCACCCCTGGCTGGAGGCAGCACCCACAGAAGATCCTAGAACA  
 GAAGAAACGGAGGAAGACGCCCGGTAGATTCTATAGGAGCTGAGACCCTTCTGGCACAGGTTCAAGCG  
 GTGCATGGGATGAGGCTATCCAGAACCCCGAAGGGGCTTGATAAAGGGAGGTATGAAAGGACAAAAGGG  
 AGAACCAGGTGCCAGGGCCACCTGGCCAGCTGGGGCCAGGGTCTGCCGTCAGTGGTCCAGAGC  
 CCAACTCACAACTGTCCCTGGAGCACAAAGACCCCGGACCTCAGGGGCCACCAGGGAAGGATGGCA  
 CTCCAGGAAGGGATGGTGAACCGGTGACCTGGTGAAGATGGGAGACCGGGTGAACCTGACACTGACCTCAAGG  
 CTTTCCAGGGACCCAGGAGATGTGGGCCCTAAGGGCGAGAAGGAGATCCTGGTATTGGCCCCGAGGA  
 CCTCCAGGGCCTCCAGGGCCACCAGGACCTCCTTCAGACAAGACAAGCTGACCTTCATTGACATGGAGG  
 GATCCGGTTTTCAGCGGAGACATAGAGAGCCTTAGAGGCCACGAGGCTTCCCTGGCCCCCGGGCCCCC  
 TGGTGTCCAGGACTTCTGGTGAAGGACGCTTTGGGATCAATGGTTCCTATGCACCAGGACCTGCA  
 GGCCTTCTGGTGTACCTGGGAAGGAAGGACCCCGGTTTTCCAGGTCCCCGGGACCTCCAGGTCTC  
 CAGGCAAAAGAGGGCCACCAGGAGTGGCCGGCCAGAAAGGCAGTGTGGTGTGGGCATCCAGGACC  
 CAAGGGGAGCAAAGGAGACCTTTGGGCCATCGGTATGCCTGGCAAGTCTGGCTTGGCTGGATCCCCTGGG  
 CCAGTTGGACCCAGGACCTCCAGGGCCTCCAGGGCCACCAGGACCAGGATTTGCTGCTGGATTGATG



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ATATGGAAGGCTCTGGAATACCCCTCTGGACAACAGCCCGAAGCTCTGATGGGCTGCAGGGACCTCCCGG  
 GTCGCCGGGACTCAAGGGGGATCCTGGAGTGGCAGGCCTACCTGGAGCCAAGGGAGAAGTTGGAGCAGAT  
 GGAGCCCAGGGCATCCCTGGTCCCCAGGAAGAGAAGGTGCAGCTGGATCTCCGGGGCCAAAAGGAGAGA  
 AAGGGATGCCGGGAGAAAAGGGAAACCCAGGAAAAGATGGAGTGGGCCGGCCGGGCTCCCTGGGCTCC  
 AGGACCTCCAGGGCTGTGATCTATGTGTCAAGTGAAGGATAAAGCAATAGTGAGCACGCCAGGACCTGAG  
 GGCAAGCCAGGGTACGCAGGCTTTCCTGGACCTGCTGGACCGAAGGGTGACCTGGGTTCCAAAGGGCAGC  
 AGGGTCTTCCGGGGCCAAAGGGTGAGAAGGGAGAGCCAGGCACTATCTTTAGTCTGTGCGCAGAGCTCT  
 GGGCCATCCCAGAAAGGGAGCCAAGGGAGAGCCAGGCTTTCGAGGACCCCGGGTCTTATGGACGACCT  
 GGGCACAAGGGTAAAATTGGCTTCCCTGGACGGCCGGTGCACCTGGAACGAATGGCTTAAAGGGAGAGA  
 AAGGAGAGCTGGAGATGCCAGCCTTGGGTTCCAGCATGAGGGGATTGCCTGGCCCCCTGGGCTCCAGG  
 ACCCCCAGGCTCCTGGGATGCCATCTATGACAGCAATGCATTTGTGGAGTCTGGCCGACCTGGACTA  
 CCAGGACAGCAGGGTGTGCAGGGGCTTCCAGGACCAAAGGGTGACAAAGGAGAGGTGGGCCACCTGGGC  
 CACCAGGGCAATCCCCATTGACCTCTCCACCTGGAAGCGGAAATGAAGGGGACAAGGGAGACCGAGG  
 GGATGCTGGACAGAAAGGAGAGAGGGGAGAACCTGGGGCTCCTGGTGGTGGATTCTCAGCTCAAGTGA  
 CCTGGCCACCCGGCCACCTGGATACCCTGGAATTCCGGGTCCAAAGGGAGAGAGCATCCGGGGCCAC  
 CTGGCCCTCCTGGCCGACGGGACCTCCTGGCATTGGCTATGAGGGTCCGACGGTCCCCAGGACCTCC  
 GGGACCTCCAGGACCTCCCTCCTTCCCTGGCCCTCACAGACAGACTGTCAGTGTTCTGGTCTCCGGGC  
 CCACCTGGTCTCCAGGTCCCCAGGAGCCATGGGTGCCTCTGCTGGGCAGGTGAGGATCTGGGCCACAT  
 ACCAGACCATGTGGACAAGATCCGGGAGGTGCCGGAGGGCTGGCTCATCTTTGTGGCCGAGAGGGGAAGA  
 GCTCTATGTACGCGTTAGAAATGGCTTCCGGAAGGTGCTGCTGGAGGCCCGGACAGCCCTCCCGAGAGGC  
 ACGGGCAATGAGGTGGCTGCTTTCAGCCCCATTGGTCCAGTTCATGAGGGCAGTCCATACACCCGGA  
 GGGAGTACTCCTATCCACGGCAGCACCCTGGCAGCAGATGACATCCTGGCCAACCCACCGCCCTGCC  
 AGCCAGCCAGCCTTACCCGGAGTTCCACATCACCACAGTTCCTATGTGCACCTGCCGACCCAGCCGCC  
 ACCCTCTCACTTGTCTACTACTCAGGACTTTCAGCCAGTGTCCACCTGGTGGCACTGAACACCCCCC  
 TGTCTGGAGGCATGCGTGGTATCCGTGGAGCAGATTTCCAGTGCTTCCAGCAAGCCCGAGCCGTGGGGCT  
 GTCGGGCACCTTCCGGGCTTTCCTGTCTCTAGGCTGCAGGATCTCTATAGCATCGTGCCCGTGTGAC  
 CGGGGGTCTGTGCCCATCGTCAACCTGAAGGACGAGGTGCTATCTCCAGCTGGGACTCCCTGTTTTCTG  
 GCTCCCAGGGTCAACTGCAACCCGGGGCCCGCATTTTTCTTTGACGGCAGAGATGTCTGAGACACCC  
 AGCCTGGCCGAGAAAGAGCGTATGGCACGGCTCGGACCCAGTGGGCGGAGGCTGATGGAGAGTTACTGT  
 GAGACATGGCGAACTGAACTACTGGGGTACAGGTGAGGCTCCTCCCTGCTGTGAGGACGGCTCCTGG  
 AACAGAAAGCTGGGAGCTGCCACAACAGCTACATCGTCTGTGCATTGAGAATAGCTTCATGACCTCTT  
 CTCAAAATAGGGCTCTGCCAGCTAGGGTGGCAGACAGAGGCCATGCAGAACTTTGACACAGCGCAGGGA  
 GCATTCAGTCAGCACCCAGGGCTCTGGTGGGATACAATCCTGTATAGTTCCCATTTTTATGTAATCCTC  
 AAGAAATAAAAGGAAGCCAAAGAGTATATTTTTCTAAAACATTTACAACAGACTTCTGCCTTCTCTC  
 CCACTTGAACCTGGCCAGTCTGTGTACAGTCCCTTCTTCTCCGTGCTTGGTAGAGCTTCTGGCGAAGT  
 CGGACCACAGCTAGGTCTCCACCGGAGGCGATGCCCTACAGTTGCTGCCTCAGACCTGCAGACTCTATCT  
 AGCCTGGGATCTTTCTGTGCAGATCGTTCATAACAACAGTCACATGCCATGTGCTGGGACAGCACAGGGC  
 AGGCAGTCCAAGGCTCCCTTCTACCCGCCAGTGGCTGTGCCAGGCATATAGGCGGGCACCTGCTCATCC  
 AGGTGGTAACTGGGTCTACTCATCCTTGAGCAGTGGGAACCAGCTCCTGACTGCCCCACTCCTCTGCA  
 GCCACACTCCCTGCCAGGGGAGGTTCCCAAGCTCAGTAACTCACTGTGACCCAGATCTGACCCCCCTC  
 CCGTACCATGGGCATAGGCCAGGAATGTGGCCAGACTTAGCCTGCGTGCTCATTTCAGAGGGCCAGA  
 CGTGACATGGGGCCATCCTCAGGTTTGTCTCTCAGACTGGCCTCTCTGGCGACCCTGAGATCCTGTTT  
 AGAGAACCCAACCCCAACCAAGCCCAAGCTGGACATCAGCTTGAAGTCCAGAAATCTCACAGCAGCCACA  
 TGAAGCACTTGTCTATGAAGGGACTTGTGTGCCAGGGTACAAGTGGCCAATCAAAGCCACTGTGCCCT  
 GCCTCAGGCTCTGCTGTCCAAGGATTGGGACAATCCAGTGGGTCTGGTCTGTGACAATGTGTGCTATGA  
 TGCCATTTCAAAGAGGCACCAAAATAAAATGACATTTTATACCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_009929  
**Insert Size:** 3948 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC064817</a> , <a href="#">AAH64817</a>
<b>RefSeq Size:</b>	5029 bp
<b>RefSeq ORF:</b>	3948 bp
<b>Locus ID:</b>	12822
<b>UniProt ID:</b>	<a href="#">P39061</a>
<b>Cytogenetics:</b>	10 39.72 cM
<b>Gene Summary:</b>	Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1. These variations cause translation initiation from a start codon in a different exon and result in a shorter protein (isoform 2) with a distinct N-terminus, compared to isoform 1.