

Product datasheet for **MC200968**

Col8a1 (NM_007739) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col8a1 (NM_007739) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col8a1
Synonyms:	Col8a-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011061 sequence for NM_007739
 GAGCCCTTCCACGGTCTCTCCGTGGGAGCCCGAGTCCCTGTCTCCCAGATCTGACGTGCTCAAGAAGCT
 GTTCTGTAATCAAGTAAACCTGTGAAGAGAGTGCACCCAGCCCAAGTGGTATTACAAGAAGAGTCAAG
 CAAGGACTTTGGTCTCGATTCTACTGGCCAGCCAAGCCTAAATGTGATGGCACTGCCACCCAGGCCTCT
 ACAGCTGCTGGGAATACTGTTTCATCATTCCCTGAACTCTGTGCACTCATTGAGCCGGTGCCTACTAT
 GGAATCAAGCCTCTGCCACCTCAAATCCCTCCTCAGATACCACCACAAATCCACAGTACCAGCCCTTGG
 GCCAGCAAGTCCCTCACATGCCTTTGGGCAAAGATGGCCTTTCCATGGGCAAGGAGATGCCTCACATGCA
 GTATGGCAAAGAGTACCCACACCTACCCCAATATATGAAGGAAATCCACCTGTGCAAGAATGGGCAAG
 GAAGTGGTGCCCAAAAAAGGCAAAGGAGAAGTACCCTTAGCCAGTTTGGCGGAGAAACAAGTCCCCGTG
 GAGAACCTGGACCAAGAGGACCCTGGGCCGCCAGGTTTACCAGGTCATGGAATGCCTGGAATCAAAGG
 AAAACCAGGGCCCAAGGATATCCAGGAATTGGAAAGCCCGGTATGCCTGGAATGCCTGGGAAGCCAGGA
 GCCATGGGAATGCCAGGGGCAAAGGCGAAATGGACCCAAAGGGGAAATCGGACCTATGGGAATCCAG
 GGCCACAAGGGCCTCCAGGACCTCATGGACTTCTGGCATCGGAAACCCGGTGGGCCAGGGTTACCAGG
 GCAACCAGGAGCAAAGGTGAGAGGGGGCCAAAGGACCACCAGGACCTCCCGCCTTCCAGGTCCCAAA
 GGAGAGAAGGGCTTTGGGATGCCTGGCTTCCAGGTCTGAAGGTCTCCAGGTATGCATGGCCCTCCTG
 GACCAGTTGGACTACCGGAGTAGGAAAACCAGGAGTGACAGGCTTCCCTGGACCACAGGTTCCCTGGG
 GAAGCCAGGGCCTCCAGGGGAACCTGGACCACAAGGCCTTATTGGTGTGCCAGGAGTTCAAGGACCTCCT
 GGGATGCCTGGAGTTGGAAAGCCAGGTCAGGATGGGATCCCGGGCCAACCAGGATTTCCGGGTGGTAAAG
 GGGAAACAAGGATTGCCAGGGTTCCTGGACCCCAAGGCCTCCAGGGGTGCGAAAGCCAGGTTTCCAGG
 ACCCAAAGGGGACCGGGTATTGGGGTGTCTGGGGTCTTGGGCCGAGAGGGGAAAAAGGACCCATT
 GGTGCTCCTGGAATGGGGGTCCACCTGGAGAGCCAGGCCTACCCGGTATCCCGGTCCCATGGGCCCTC
 CAGGTGCTATTGGTTTCCCTGGACCCAAAGGAGAAGGTGGAGTTGTAGGACCACAGGTTCCACAGGCC
 CAAGGGAGAGCCTGGCCTCCAAGCCTTCCCTGGGAAGCCAGGTTTCTTGGTGAAGTAGGTCCCCCTGGC
 ATGAGGGGTTTGGCTGGTCTATAGGACCCAAAGGAGAAGGTGGTCACAAAGGTTGCCAGGGCTTCCCG
 GTGTTCCAGGGCTGCTTGGACCCAAAGGAGAACCTGGCATACTGGGATCAGGGTCTACAGGTTCCCC
 AGGGATTCCAGGGATCGTAGGACCTAGTGGCCCTATTGGACCCCTGGGATTCGGGGCCCAAGGAGAA
 CCAGGCCTCCAGGGCCCTGGGTTCCCTGGTGTAGGGAAGCCAGGAGTAGCAGGACTTCATGGGCCCC
 CGGGGAAACCTGGTGCCTTGGGCCTCAAGGCCAGCCTGGCCTTCTGGACCCCAAGGCTCCTCAGGACC
 CCCAGGCCTCCAGCTGTGATGCCTACACCATACCCCAAGGAGAGTATCTGCCAGATATGGGACTAGGA
 ATTGATGGGGTGAACCTCCGCATGCCTATGCGGGCAAAAAGGGCAAACACGGAGGGCCAGCCTATGAGA
 TGCTGCTTTACTGCCAGCTGACTGTACCTTTCCACCGGTGGGGGCCCAAGTGAAGTTTGACAAGCT
 GCTCTACAACGGCAGACAGAACAATCCGCAGACAGGATCTTACCTGTGAAGTCCCGGTGTCTAC
 TACTTTGCTTATCATGTTCACTGCAAGGGAGGCAACGTATGGGTTGCTCTTCAAGAACAACGAGCCCA
 TGATGTACACATACGACGAGTACAAGAAGGGCTTTCTGGACCAAGCATCTGGAAGCGCAGTACTGTTCT
 CCGTCCCGGAGACCAGGTGTTTCTCAAATGCCTTCAAGACAGGCTGCTGGACTCTATGCCGGGCAATAT
 GTCCACTCCTCTTTTACAGGATATTTATTGTATCCCATGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_007739

Insert Size: 2235 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:

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: [BC011061](#), [AAH11061](#)

RefSeq Size: 2435 bp

RefSeq ORF: 2235 bp

Locus ID: 12837

UniProt ID: [Q00780](#)

Cytogenetics: 16 C1.1

Gene Summary: Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also component of the endothelia of blood vessels. Necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis.[UniProtKB/Swiss-Prot Function]