

Product datasheet for MC223679

Col19a1 (NM_007733) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col19a1 (NM_007733) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col19a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223679 representing NM_007733 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCACACTGGCTCTTGAAATTGTGGACCTGGGTGACAACCTTCTGCTTCTGCATGTACCTGTC
TGACAGTCAGGGACAAGCCAGAAACAACCTGCCCTACACTGAGAACAGAGAGATCAAGATGACAGAAA
CAATCTGAATTGTCAGGCTTTGATCTGGGAGAAAGCTTTGCTCTGAGGCATGCGTTTTGCGAAGGTGAT
AAAACCTGTTTCAAGTTGGGAAGTGTGCTTCTTATCAGAGACACTGTTAAGATATTTCCCAAAGGCCTTC
CAGAGGAATACGCTATAGCTGTATGTTTCGGGTACGAAGAAGCACCAAAAAGGAACGGTGGTTTTATG
GAAGATTTTAAACAGCAGAATATGGCCAGATATCTGTAGTGATTGATGGTACGAAGAAGGTGGTAGAA
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TTGATCGTCAATGGCATAAACTTGGCATTGGCGTGCAATCCCGAGTCCTTTCTCTCTATATGGATTGCAA
TTTAATTGCAAGTCGACACACGGAAGAAAAGAATTCTGTGGATTTTCAAGGAAGGACAATTATTGCTGCA
CGAGCTTCAGATGGCAAACCTGTGGATATCGAACTTCACCACTTAGAATCTACTGCAATGCAAACCTCC
TAGCTGAAGAATCATGTTGCAACTTATCACCTACTAAGTGTCCAGAGCAAGACGACTTTGGAAGTACTAC
TTCATCCTGGGGACCTCTAACACTGGTAAAATGTCTTCATATCTGCCAGGAAAGCAGGAACCTAAAGAC
ACATGCCAGTGTATTCCAAACAAGGAGGAAGCAGGATTACCAGGAACCTCTCAGATCCATTGGACATAAGG
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GATGGCCTCAATGGACAAGATGGTTTGAAGGTGACTCGGGTCCCTCAAGGTCCACCTGGCCCAAAAGGAG
ACAAGGGTGATATGGGACCTCCAGGGCCACCAGCCTTAACTGGCTCCATAGGAATCCAAGGTCCCGAGG
TCCACCTGGCAAAGAAGGCCAAAGGGGAAGACGAGGGAACAGGACCCCGAGGAATCCAGGACCTCCA
GGACCACCCGACCTCCTGGGTACAAGGACTACAGCAGCCTTTTGGTGGATATTTCAATAAGGGAACCTG
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CCCGGCCTATTAGGACCACAGGGAATAAAGGGGGAACCTGGAGATCCTGGTCCCCCTGGTTTACTAGGAA
GCCAGGGCTAAAGGTCAGCAAGGACCTGCAGGTTCCATGGGGCCAGAGGACCACAGGAGATGTTGG



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ATTGCCAGGAGAACATGGTATTCCAGGAAAACAAGGCGTTAAGGGAGAAAAGGGAGATCCGGGTGGAAGG
CTAGGCCCTCCTGGACTTCCAGGTCTGAAGGTGATGCTGGGCCTCCAGGGATAAGCCTGCCAGGGAAAC
CAGGGTTAGATGGAATCCAGGATCACCTGGTCCACGTGGGCCAAAGGGTGAAAGAGGTCTGCCTGGGCT
CCACGGTTCCTCCGGGACACAGGCCACCAGGTGTAGGAATCCCTGGTAGAACAGGCTCCCAAGGACCA
GCCGGAGAGCCAGGTATTCAGGGTCTCGAGGTCTGCCTGGATTGCCAGGAACTCCAGGGATGCCAGGGA
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GGCCCACTGGACCCCTGGCTTAACAGGAAGAACTGGACATCCTGGTCCCACTGGAGCAAAAGGTGACA
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CCAGGTCCAAAAGGTGATCCTGGCCAGTGGGAGAGCCTGGTGAATGGGCTTCCAGGACTAGAAGGAT
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GGACCAGAGGGACCTCGGGGAAGCCAGGCATAAATGGAAGATGGATTACCAGGTGCTCAGGGCATCA
TGGGTAAACCTGGCGACAGAGGCCCAAAGGAGAACGCGGTGATCAGGGAATCCAGGAGACAGAGGCC
TCAAGGTGAACGTGGGAAGCCAGGTCTTACGGGCATGAAGGGGGCTATAGGCCCTGTGGGACCAGCAGGA
AGCAAGGGCTCCACTGGGCCACCTGGCCACCAAGGCCCTCCAGGCAATCCTGGCATCCCTGGCACTCCGG
CTGATGCTGTTTCTATCCAGCTTAACTGCCAGCAGCAATGTTGTCTGCTCAAGCTCATGGAAGGCCT
GGCCACCAGGGAAGGACGGGTACCTGGACCCCAAGGAGATCCAGGGCCCAAGGCTACCGAGGACAGA
AGGGAGAAAGAGGTGAACCTGGAATTGGGCTGCCGGGGAGTCCGGGTCTTCTGGATCTTCAGCAGTGGG
TTTGCCGGGCTCACCAGGTGCCCGGGGCTCAAGGACCCCGGGACCCAGTGAAGATGTAATCCAGAA
GATTGCCTCTATCCTGCACCTCCTCCCAACCAGCAGGCAGGCGGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_007733
Insert Size:	3411 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_007733.2, NP_031759.2</u>
RefSeq Size:	10542 bp
RefSeq ORF:	3411 bp
Locus ID:	12823
UniProt ID:	<u>Q0VF58</u>
Cytogenetics:	1 A5
Gene Summary:	May act as a cross-bridge between fibrils and other extracellular matrix molecules. Involved in skeletal myogenesis in the developing esophagus. May play a role in organization of the pericellular matrix or the sphinteric smooth muscle.[UniProtKB/Swiss-Prot Function]