

Product datasheet for MC224340

Col15a1 (NM_009928) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col15a1 (NM_009928) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col15a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224340 representing NM_009928 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACACACAGGAGGACCGCGCAGGGCCGGCGCCGAGGTGGCTGCTCTCCATCATCTCCGCGTGTCT
CCGCTGTCTGCAGACCCGCGCTGCGACAGGGTCAGCCTCTCAGGTTACCTGGACCTCACAGTGCTCAT
TGGTGTCCATTACCCTCGTCTGTCTTTACCACCGGCTATGGCGGTTCCCGGCTTACAGCTTTGGG
CCTGGTGCCAACGTTGGCCGCCAGCCAGGACCTCATCCACCGACCTCTTCAGGGATTTCCGCAATTG
GTGTGGCGGTGAAGCCCAATAGCGCCCAAGGGGCGTGCTCTTCGCTATTACCGATGCTTTCCAGAAAGT
CATCTACCTGGGCTGCGGCTTTCAAGTGTGGAGGATGGGCGCCAGCGGGTTATCCTCTACTACACGGAA
CCAGGCTCCACGTGTCCGTGAAGCTGCGGTTTTCTCCGTGCCCGTGATGACCAACAGGTGGAATCGTT
TTGCTGTGACCGTCCAGGGCGAAGAAGTTGCTCTTTTCATGGACTGTGAGGAACAGAGCCAAGTCCGTTT
CCAGCGATCGTCTGGCCTTTGACCTTTGAGCCAGTGCCGGGATCTTTGTGGGAATGCTGGAGCTATG
GGGCTGGAGAGATTTACGGGTTCCATACAACAGCTTACCATCTATTAGACCCAGGACCCCTGAGGAGC
TGTGTGAAGCACAAGAGTCTCGGCGTCTGGAGAAGCCAGTGGGTTTCAGGAGATGGATGAAGTCGCTGA
AATCATGGAAGCTGTACCTACACACAAGCCCGCCTAAAGAATCACACGTTGATCCATAAGCGTGCCC
CCTACTTCATCTCTCTGCGGAGGACTCGGAGCTTTCTGGTGAGCCGGTACCAGAAGGAACCCAGAAA
CGAATTGAGCATCATTGACACAGCAGCCTGAGCAAGGGTCTGGTGAGATCCTGAATGATACGCTGGA
GGTCCATGCGATGGATGGGGACCTGGTACTGATGATGGTTCAGGGGATGGAGCCTTGTTGAACGTCACT
GATGGTCAGGGGTTATCAGCAACAGCAACTGGGGAGGCCAGTGTGCCTGTCAACCTGTCTGGAAGCAG
AGAATGGCAGTATGCCACTGGGAGCCCCACCTGGCCATGTTTACCCAGAGCATCAGGGAAGTGGACAC
TCCGGATCCAGAAAATCTAACAACAACAGCATCAGGGGATGGTGAGGTGCCACACGACTGATGGGGAC
ACAGAGGCTGACAGCTCGCCACTGGAGGGCAACCTGAAGCCAAGAGAAGAGGCCACTCTGGGTTTAC
ACGGTGAGGAATGGTTAACCCAGCTGTGTCCAAATGCCCTCAAGGCTTTTGGAGGAGGAAGCCAG
TGGGACTGCCATCGACAGCCTGGATGTCATCTTACACCCACGGTGGTCCTTGAGCAAGTCAGCAGGAGA
CCTACAGACATCCAAGCCACTTTACGCGCACAGTGGTCCTTGAAGAAACAGCGGGGCCCTACAGACA
CCCAGGACGCTCTCACACCCACAGTGGCCCTGAGCAAATGTTCACTGCTGAACCCACAGATGGAGGAGA



View online »

CTTGGTGGCGTCTACAGAGGAAGCTGAAGAGGAGGGATCTGGTAGCATGCCCCCAGTGGGCCCCCACTC
 CCCACACCCACAGTGACTCCCAAGAGGCAGGTACCCCTGGTAGGAGTGGAAGCCGAGGGGTGAGGCCCTG
 TTGGGGGCTTGGATGAGGGCTCAGGCTCTGGAGACATCGTGGCAATGAGGATCTGCTGAGAGGTCCGCC
 GGGTCTCCAGGCCCACCGGATCACCTGGGATCCCAGGAAACCAGGAAGTATGTTTTCATGGGACCC
 CCGGGTCTCTGGGGAGGATGGAGCTCCTGGTGAGCCAGGACCCAGGGCCCCGAGGGACAGCCTGGAC
 TTGATGGAGCCTCTGGCCAGCAAGGAATGAAAGGAGAGAAGGGAGCAAGAGGGCCTAATGGTTCGGCTGG
 CGAGAAGGGTGACCCTGGAAACCGAGGCTTACCAGGTCCCCAGGGAAGAATGGAGAAGTTGGCACCCCT
 GGGGTGATGGGACCAACAGGGCCTCCTGGACCCCTGGGCTCCAGGCCGGGATGTACCACAGAACTTG
 GATTTGAGATTGAAGGCTCTGGGACGTCCGGCTGCTGAGTAAACCCACAATCTCAGGACCCACCTCTCC
 AAGTGGTCCCAAAGGAGAAAAAGGAGAGCAAGGAGCAAGGGTGAACGAGGAGCGGACGGAACAGCACT
 ATGGGGCCGCTGGGCCAGGGCCCGCTGGGCATGTCGAGGTCTGTCCAGTTCTTTGATCAACATCA
 CCAATGGATCCATGAATTTCTCAGACATTCCTGAGCTCATGGGACCTCCGGGGCCAGATGGTGTACCCGG
 GCTGCCAGGATTTCCAGGCCCCAGAGGACCAAAAGGTGACACCGGTGTGCTGGATTCCAGGGCTAAAA
 GGAGAACAGGGTGAGAAGGGAGAGCCTGGAGCCATCTTACTGGGACGTCCCTCTGGAATGATGAAGG
 GGAGAAAGGGTGAACCTGGAATCCATGGTGACCCGGGACCATGGGACCCAAAGGACCACAGGACACAA
 AGGAGAGTTTGGCTCCAGGACGACCTGGTCGCCAGGACTGAATGGCTCAAGGGTGCCAAAGGAGAT
 CGAGGGGTACGCTGCCTGGTCCACCTGGCTACCTGGACCCCAAGGGCCCCAGGGCCCCCTGGAGCTG
 TGGTTAACATCAAAGGCGCTGTTTTTCCAATACCTGCCCGGCCACACTGCAAAACACCAAGTTGGTACCGC
 TCACCCTGGCGACCCAGAGCTTGTCACTTTCCACGGTGTTAAAGGAGAAAAGGGGTCTGGGGTCTTCTCT
 GGCTCAAAAGGAGAAAAGGGGGACCAAGGAGCTCAAGGACCACAGGCCCTCCAGTCGATCCAGCTTACC
 TGAGACATTTTCTCAACAGCTTGAAGGGGGAGAATGAAGATGCTTCATTAGAGGAGAGTCCAGCAACAA
 CCTCTTTGTATCAGGGCCTCCAGGCCTACCAGGATACCCAGGCCTGGTTGGACAGAAAGGAGAGGCTGTT
 GTGGGGCCTCAGGACCCCCAGGAATTCAGGCCTGCCTGGGCCACCTGGCTTTGGGAGACCTGGTGTTC
 CTGGACCAACAGGACCCCTGGGCCACCAAGGACCTCCTGCCATTCTGGGTGCAGCTGTGGCTCTTCTCTGG
 CCCACCTGGCCCTCCAGGACAGCCAGGACTCCCCGGATCCAGAACTTGGTCACAGCGCTCAGCGACATG
 GGTGACATGCTACAGAAAGCTCACTTGGTCATAGAAGGGACATTCATCTACTTGAGAGACAGTGGGAGT
 TTTTCATTCGTGTCGAGATGGTTGAAAAAGTTACAGTTGGGAGAACTGATCCCCATTCTGCTGATAG
 CCCCCACCACAGCACTTTCCAGCAATCCGTATCAGCCACAACCTCCACTGAACCCATTTTAAGTGCC
 AACTATGAGAGGCTGTTCTGCACCTGGTTGCTCTGAACACACCGGTGGTGGGGACATCCGAGCTGATT
 TCCAGTGCTTCCAGCAGGCCAGGCTGCAGGCCTCCTGTCCACTTCCGAGCCTTTCTGTCTTCACACCT
 GCAGGATCTCTCCACAGTCGTGCGGAAGGCAGAGAGGTTGGCCTTCCAATTGTGAATCTCAAGGGCCAA
 GTGCTTTTTTAACAATTGGGACTCGATATTTCTGGTGATGGAGGTCAATTCAATACACACATTCCAATCT
 ACTCCTTTGACGGTCGGGATGTGATGACTGATCCTTCTGGCCCCAGAAGGTGGTCTGGCACGGCTCCAA
 CCCCCATGGTGTCCGTCTTGTGGACAAGTACTGTGAAGCCTGGCGAACCACGGACATGGCAGTAACCGGA
 TTTGCCTCCCCACTGAGCACAGGGAAGATTCTGGACCAGAAAGCTTACAGCTGTGCTAACAGGCTAATCG
 TGCTGTGCATCGAAAACAGTTTCATGACAGACACTAGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_009928

Insert Size:

4104 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: [NM_009928.3](#), [NP_034058.2](#)

RefSeq Size: 5335 bp

RefSeq ORF: 4104 bp

Locus ID: 12819

UniProt ID: [O35206](#)

Cytogenetics: 4 B1

Gene Summary: Structural protein that stabilizes microvessels and muscle cells, both in heart and in skeletal muscle.[UniProtKB/Swiss-Prot Function]