

Product datasheet for MC224929

Col14a1 (NM_181277) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col14a1 (NM_181277) Mouse Untagged Clone
Tag: Tag Free
Symbol: Col14a1
Synonyms: 5730412L22Rik; AW108078
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224929 representing NM_181277
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGATTTGGCAGTGAAGATGCGGGACTGGCTGATTCTAGCTTTTTGGCGGCTGCTTGTCTGCA
 CCATTGTCAGGGGACAAGTGGCTCCACCCACAAGTTAAGATATAATGTGATTTCCCATGATAGTATACA
 GATTTTCATGGAAAGCACCAAGAGGGAAATTTGGTGGCTACAACTGCTCGTGGCTCCAGCTTCAGGAGGA
 AAGACCAACCAGATGAATCTCCAGAACACTGCAACAAAAGCGATTATCAAGGCCTCTGCCAGAGCAGA
 ACTACACAGTTCAACTCATTGCCTACTATAAAGACAAGGAAAGCAAGCCCGCTCAAGGCCAGTTCAGAAT
 TAAAGATTTAGAGAAAAGAAAGGATCCAACAAAGCCAAAGTCAAGGTTGTGGACAAAGGAAATGGAAGT
 AAACCAACTTCACCAGAAGAGGTAAAAATCTTCTGTGAGACTCCAGCCATCGCTGACATCGTCATCCTGG
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 AGCGTTCAACGTGGGCTCAGAAAAGACAAGAATCGGCTTGGCACAGTACAGTGGGGACCCAGAATAGAG
 TGGCAGTTGAATGCCTTTAACACAAAAGATGAGGTGATTGATGCTGTCCGAAGCCTTCCATACAAAGGAG
 GAAATACCCTAACAGTCTTGTCTTGAACCTTTATTTTGAAGTATGCTTTAAACCAAGCAGGATCGAG
 GAGTGGAGTTTCCAAGATTGGCATTGATCAGATGGAATAATCCAGGATGATATTATCCACCATCT
 AGAAAACCTCCGTGAGTCTGGTGTAGAGCTGTTTGGCATAGGGGTTAAAAATGCCGACCTGAGTGAGCTGC
 AGGAGATCGCCTCTGAGCCAGACAGCACCCATGTGTAATGTTGCTGAGTTCGACCTGATGCACACAGT
 GGTGGAGAGCCTGACCCGGACTGTATGCTCTAGAGTGGAAAGAGCAGGACAAGGAGATTAAGCCTCAGCC
 CTTGCCACCATCGGGCCACCTACAGAGCTGATCACTTCTGAAGTCACTGCCAGGAGCTTTATGGTTAACT
 GGACTCAGTCCCAGGAAAAGTGGAAAAATACAGAGTTGTGATTATCCCACCAGAGGCGGAAAAGCCGGA
 GGAGTGGTGGTGGATGGGAGTGTATCTCCACAGTGTGAAAACTTGATGCTTCAACTGAGTACCAG
 ATAGCAGTGTTCAGTATCTGCCACACAGCTAGTGAAGCCTGCGGGAGCAGAGACCACATTGGCCT
 TGCCCATGGCTTCGACCTCGAGCTGTACGACGTGACTGAGAACAGCATGCGCGTCAGGTGGGATGCAGT
 ACCTGGAGCCACAGGCTATCTGATCCTCTATGCTCCTCTCACAGAAGGTCTGGCTGGAGATGAGAAAAGAG
 ATGAAAATTGGAGAGACACACAGACATTGAACTGAGTGGGCTATTCCCAATACAGAATATACAGTCA



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CTGTGTATGCCATGTTTGGAGAAGAGGCCAGCGATCCTGCTACAGGACAAGAGACAACCCTACCCTTAAC
 CCCACCAAGAAATTTGCGGATCTCCAATGTTGGCTCTAACAGCGCTCGGTTAACCTGGGACCCCGCATCG
 GAAAGATCAGTGGTTACAGAATTGTGTATACCAGTGCAGACGGGACAGAAATCAATGAGGTTGAAGTCG
 ATCCTATCACTACATTCCCTCTGAAAGGCTTGACCCCTCACGGAGTACTCCATTGCAATCTTCTCCAT
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 TTGGAAATTTGATGAGGTGAAGACAGACAGTTTTCGAGTGACTTGGCATCCGCTCTCCGCTGAGGAGGGG
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 GGAAGCGAGAGTGAGGTGGTGACCCGAGTGGGAACCACACTTGATGATTTTTGGACTGAAGCACCACAG
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 AACTGCTACTAGCCTGCGGGTATCGTGGGACATTTCTGACAGCAATGTGGAGCAGTTTAGGGTGACCTAC
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 CCTCAGTGGAAATGGACTACAATGTGAAGATCTTTGCTTCCAGGCGTCAGGCTTCAGTGATGCTCTGACT
 GGCTCGTGCAAAACACTGTTCTTAGGGGTGACAGATCTCCAAGCCAATCAGGTTGAAATGACAAGCTTGT
 GTGCTCGGTGGCAAAATACATCGCCATGCCACAGCCTACAGGATAGTTCTAGAATCCCTTCAGGACACACA
 AGCACAGGAATCCACGGTGGGAGGAGGCGTAAACAGGCATTGCTTCTATGGACTTCAGCCTGATTACAGAG
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 CAAGGCAGACCTGGTATTTCATGGTGGATGGATCTTGAGCATAGGAGATGACAATTTCAATAAAATCATC
 AATTTTTCTATACAGCACTGTGGGAGCCCTGGACAAGATTGGTGCAGATGGAACCTCAGTGGCAATGGTTC
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 CACAAGATGATGTCAACAAAATCTCCAGGGAGATGCAGGCAGATGGTTTCAACATCTTGGCATCGGTGT
 GGCTGACGCTGACTACTCCGAGTTGGTTAGATCGGCAGCAAGCCAGCTCACGGCATGTCTTCTTGTG
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 CCTGCCAATGGTGCACAAGGATGGAGTTGATCTTGCAGGTTTAAAGATGATGGAATGTTTGGTTGGT
 TGAAAAGGACTTTTCTGCAAGTGAAGGAGTATCTATGGAACCTGGTACCTTCAATTTGTTCCCATGCTAT
 CAAATCCATAAGGATGCTCTGGTTTCTCAGCCAACAAAGTATCTGCACCCAGAAGGATTGCCTTCTGACT
 ATACAATGAGTTTCTGTTCGGATTCTTCTGACACACCACAGGAGCCATTTGCTTTTGGGAGATTTT
 AAACAAAATTTCTGAGCCGCTAGTTGGGATCATATTGGACAATGGTGGGAAAACCTCTAACTATTTCAC
 TATGACTATACTGGAGATTTTCAAACCTGCACTTTTGAAGGACCCGACATCAGGAAAATGTTCTATGGAA
 GCTTTCACAAGCTCCATGTTGTTGTGACGAAGACTCTGGCCAAAGTGGTGTGACTGCAAGGAAGTTGG
 TCAGAAGGCAATAAATGCATCAGCGAATATCACATCGGATGGTGTGGAAGTACTAGGAAGAATGGTCAGA
 TCAAGAGGACCAAAATGGAACCTCTGCACCATCCAGTTACAAATGTTTGATATCGTTTGGCTACATCAT
 GGGCCAGTAAAGACAGATGCTGCCAATTCTGGTCTGCGGGATGAAGAGTCTGCCAGACCTTCCACG
 GTCCTGCTCTTGCTCGGAAACCAATGAAGTGGCTCTAGGACCAGCTGGCCCCCAGGTGGTCCAGGACTC
 CGAGGACCAAAAGGCCAACAAGGTGAACAGGGTCCGAAGGGACCAGAGGGACCTCGGGGAGAAAACAGGTC
 CTGCAGGACCCAGGGCCCCCTGGACCCAGGGACCTAGTGGTCTGTCCATTCAAGGCATGCCTGGAAT
 GCCGGGTGATAAAGGAGATAAAGGAGATGCTGGTCTTCTGGTCCACAGGGTGTCCCTGGAGGTGTTGGT
 TCACCAGGCCGTGATGGCTCACCAGGCCAGAGGGGATTTCCCGGAAGGACGGTTCTCTGGGCTCCAG
 GACCACCTGGGCCAATTGGCATTCTGGAGCCCTGGTGTCCAGGGATCACAGGCAGCATGGGACCGCA
 AGGAGCCCTGGGGCCACCTGGTGTCCCTGGAGCGAAGGGAGAGCGAGGTGAACGGGAGACCTGCAGTCT
 CAAGCCATGGTGAGGGCGGTGGCACGTCAAGTATGCGAGCAGCTATTACAGAGTACATGGCCAGGTACA
 CAGCCATCCTCAACCAGATCCCCAGCCAGTCTCATCTATCCGGACCATCCAGGGCCCTCTGGGGAGCC
 CGGGAGACCAGGTTACCTGGAACCCCTGGAGAACAAGGACCCCCAGGTACCCAGGCTTCCAGGAAAT
 GCAGGAGTTCCGGGGACCCAGGAGAACGAGGTCTAACTGGTGTCAAAGGAGAGAAAAGGAAATCCAGGCA
 TTGGAACCAAGGCCAAGAGGTCCCCCTGGGCCAGCAGGACCTTCAGGGGAAAGTCGCTCTGGAAGTCC

TGGGCCACCTGGCTCTCCTGGACCAAGGGGTCCCCGGGCCACCTGGGAGTACCTGGACCTCAGGGTCCT
TCTGGCCAGCCTGGGTATTGTGACCCCTCCTCGTGCTCTGCTTATGGCGTTGGAGTGCCCATCCTGATC
AGCCTGAGTTCACACCGGTCCAGGACGAGCAGGAGGCCATGGATCTGTGGAGCGCAGGCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_181277
Insert Size:	5385 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:	<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_181277.3</u> , <u>NP_851794.3</u>
RefSeq Size:	6465 bp
RefSeq ORF:	5385 bp
Locus ID:	12818
Cytogenetics:	15 D1
Gene Summary:	Plays an adhesive role by integrating collagen bundles. It is probably associated with the surface of interstitial collagen fibrils via COL1. The COL2 domain may then serve as a rigid arm which sticks out from the fibril and protrudes the large N-terminal globular domain into the extracellular space, where it might interact with other matrix molecules or cell surface receptors (By similarity).[UniProtKB/Swiss-Prot Function]