

Product datasheet for RN206114

Col4a1 (NM_001135009) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col4a1 (NM_001135009) Rat Untagged Clone
Tag: Tag Free
Symbol: Col4a1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206114 representing NM_001135009
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGGGCCCCGGCTCAGCGTCTGGCTTCTGCTGCCGCTCGCCGCCCTTCTGCTCCACGAGGAGCGCAGCC
 GGGCCGCTGCCAAGGGTGATTGTGGTGGCTCTGGCTGTGAAAAATGTGACTGTCATGGTGTGAAGGGACA
 AAAGGGAGAGAGAGGCTTCCAGGGTTACAAGGTGTCATTGGATTCTGGGATGCAAGGACCTGAGGGG
 CCACATGGACCACCAGGACAAAAGGGTGATGCTGGAGAACCTGGACTTCCTGGAACGAAAAGGGACACGAG
 GACCCCTGGAGCAGCTGGCTACCTGGGAATCCCGGACTTCTGGTATTCTGGCCAGGATGGTCTCC
 AGGTCCCCAGGTATCCAGGATGCAATGGTACAAAGGGAGAGAGAGGGCCACTCGGTCTCTGGCTTG
 CCTGGATTGAGCGGAATCCTGGACCACCGGGTTACCAGGAATGAAGGGAGATCCCGGTGAAATTTCTG
 GCCATGTTCTGGGACCTGCTGAAAGGAGAGAGAGGATTTCTGGTATCCCTGGGGCGCCGGGCTCACC
 AGGGTTGCCAGGACTCCAGGGACCTGTCGGTCTCCGGGATTTACTGGACCACCGGTCTCCAGGCCCT
 CCTGGACCTCCTGGAGAAAAGGGGCAGATGGGATCCAGCTTCCAAGGACAAAAGGCGACAAGGGAGAAC
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 GGCAAGCCAGGACCTCGGGGAAAACCTGAAAAAGATGGTAAAAAGGAGAAAAGGGGAGCCCGGGCTTTC
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 TCCCCAGGGTTAAGAGGAGAGCCCGGTCTAAAGGTTACCCTGGATCGCCAGGCCAACAGGCCCTCCAG
 GTTTCGCTGTTCCAGGCCAGACTGGTGTCCGGCTTCCAGGTGAAAGAGGAGAAAAAGGTGAAAGGGG
 ATCTCCAGGTGTGCTTTACCAGGACCAAGTGAAGAGATGGAGCCCCAGGGCCTCTGGCCCTCCTGGC
 CCCCTGGGCAACCAGGCCACACGAACGGCATTGTGGAGTGTCAACCTGGACCCTGGGACCAGGGTCC
 CTCCAGGAATTCAGGACAGCCAGGTTTGACAGGCGAAGTTGGACAGAAAAGGTGAGAAAAGGAGAGAGCTG
 CCTTGCCTGTGACACAGAAGGACTTCGAGGCCCCCCAGGGCCACAGGGGCTCCAGGAGAGATTGGTTTC
 CCTGGACAGCCAGGGGCTAAAGGTGACCGAGGCCCTGCCAGGCAGAGATGGTCTTGAAGGATTGCCGGGTC
 CACAAGGTTACCGGGGCTCATAGGCCAGCCTGGAGCTAAGGGAGAGCCCGGCGAGATATTTTTTGCAT
 GCGACTCAAAGGTGACAAAGGAGACCCAGGTTTTCCAGGACAGCCAGGGATGCCAGGAAGAGCAGGAAC



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CCGGGAAGAGACGGCCACCCAGGACTCCCCGGACCCAAAGGCTCCCCGGTTCAATAGGATTGAAGGGAG
 AGAGAGTCCCCCTGGAGGAGTTGGCTTCTCTGGTAGTCGTGGAGACATTGGCCCTCTGGACCCCCAGG
 AGTCGGTCCCATCGGTCCATTGGTGAAAAAGGACAAGCAGGCCTTCTGGGGGCCCCGGTCCCCAGGT
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 CAGGATCCCCTGGGTTCCAGGGCCACAAGGTGACCGAGGCTTCCAGGAACCCAGGACGGCCAGGCAA
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 GATGGCTTGCCTGGAGAGATAGGACGACCGGGGAGTCCAGTGCCTGGATTTAATGGCTTACCTGGCA
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 TCCAGGTATCCCTGGCACACCCGGAGAGAAAGGCAGCATCGGGGACCTGGCGTTCCAGGAGAACAGGGG
 TTGACTGGCCCTCCCGACTCCAGGGGATCAGAGGTGACCCAGGACCTCTGGGTTCAAGGCCCTGCAG
 GTCCACCAGGGGTTCCAGGAATAGGACCACCCGGAGCTATGGGCCCTCCCGAGGGCAAGGACCACCAGG
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 CCCAAAGGAGATAAAGGCTCTCAAGGACTTCTGGCTCACAGGACAGTCAGGGCTCCCTGGCTCCCTG
 GACAGCAGGGGACTCCTGGAGTTCAGGGTCCCAGGTTCTAAAGGTGAAATGGCGTCATGGGAACCC
 GGGACAACCAGGCTCACCAGGACCAGCAGCGCCCCAGGGTTACCCGGAGAGAAAGGAGACCATGGCTTT
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 TGCCAGGATCCATGGAGCACGTGGACATGGGCAGCATGAAGGGGAGAAAAGGAGACCAGGGAGAGAAGG
 ACAAAATTGGACCCACTGGTGATAAAGGTTCCCGAGGAGACCCCGAACACCAGGAGTGCCCGGAAGGAT
 GGGCAGGCAGGGCACCTGGACAGCCAGGACCTAAAGGTGACCCAGGCCTTAGTGGAAATACCAGGATCCC
 CTGGACTTCTGGACCCAAAGGATCGGTTGGAGGAATGGGCTTCCAGGTTCCCGCGAGAGAAAGGCGT
 TCCGGGCATCCCTGGCTCACAGGTTGCTCTGGCTCACCTGGAGAGAAAGGAGCTAAGGGAGAGAAAGG
 CAGTCAGGTCTCCCTGGCATTGGAATCCTGGACGGCTGGTGACAAGGGAGATCAGGGGCTTGCAGGTT
 TCCCAGCAGCCCTGGTGAGAAGGGAGAGAAAGGCAGTCCCGAACCCAGGGATGCCAGGTTCCCAGG
 CCCAAGAGGCTCTCCAGGGAACATCGGCCATCCAGGAAGCCAGGCCTGCCTGGAGAAAAAGGAGACAAA
 GGCTCCAGGACTGGATGGTGTCCCGGTGTCAAAGGAGAAGCAGGTCTTCTGGGACTCCTGGCCCCA
 CAGGCCAGCTGGCCAGAAGGGAGAACCTGGCAGTGATGGAATCCCGGGTTCGGCAGGAGAGAAGGGTGA
 ACAAGGTTTCCAGGAAGAGGCTTCCAGGCTTCCCGGCACCAAGGAGACAAAGGTTCCAAGGGTGA
 GTGGGTTTCCCTGGCTTCCCGAAGTCTGGGATTCTGGAGCCAAAGGCGAGCAAGGATTATGGGTC
 CTCCCGCCCTCAAGGACAGCCGGGTTACCTGGCACTCCTGGCCACCCTGTGGAGGGGCCAAAGGAGA
 CCGAGGACCTCAGGTCAACCCGGCTGCCAGGGCATCCGGGACCTATGGGGCCACCAGGGTTCCCTGGA
 ATCGATGGGCCAAAAGGTGACAAGGAAATCCAGGTTGGCCAGGAGCTCCTGGGCTCCAGGCCCTAAGG
 GAGACCCAGGATTCCAAGGCATGCCGGCATTGGCGGCTCTCAGGGATCACAGGTTCAAAGGGAGATAT
 GGGACCGCTGGCGTTCAGGATTCCAAGGTGAGAAAGGTCTTCTGGCTTGCAGGGAGTGAAGGGAGAT
 CAGGGAGATCAAGGCATACCCGGCCCTAAAGGTCTCAAAGGTCCCCTGGGCCCCAGGTCCTACGATG
 TCATCAAAGGAGAACCAGGGCTCCAGGCTCCTGAGGGTCTCCTGGTCTCAAAGGACTTCAAAGGACCACC
 AGGTCCAAAAGGACAGCAAGGTGTGACAGGCTCCGTGGGCTTGCCTGGACCTCCAGGTGTCCCTGGGTTT
 GATGGTCCCCCTGGCCAGAAAGGAGAGACTGGACATTTGGACCACCTGGTCCGAGAGGGTTTCTGGTC
 CACCAGGCCCGATGGGCTGCCAGGATCCATGGGTCCCCGGGTACCCCATCTGTGGACCATGGCTTCT
 TGTGACCAGGCATAGTCAGACAAACAGATGACCCGCTGTGTCCCCAGGGACCAAAATTTTACCATGGG
 TACTCTGTGCTATGTCCAAGGAAACGAGCGGGCCATGGTCAGGACTTGGGTACGGCTGGCAGCTGTC
 TGCGAAGTTCAGCACCATGCCCTTCTTCTGCAACATCAACAACGTCTGCAACTTCGCTCCAGGAA
 CGACTACTCCTACTGGCTGTCCACTCCGGAGCCCATGCCATGTCCATGGCACCTATCTCTGGGACAAC
 ATCCGGCCCTTATTAGCAGGTGTGAGTTTGCGAAGCGCCCGCCATGGTGATGGCGGTGCACAGTCAGA
 CCATCCAGATCCCGCAGTGCCCCAACGGTTGGTCTCACTGTGGATTGGCTATTCCTTTGTGATGCACAC
 CAGCGCTGGTGTGAAGGTTCTGGCCAAGCCCTGCATCTCCCGGTCTGTCTGGAAGAGTTTAGAAGT
 GCCCATTCATCGAGTGCATGGCAGAGGAACGTGCAATTACTACGCGAATGCTTACAGCTTTTGGCTCG
 CCACCATAGAGAGAAGCGAGATGTTCAAGAAGCCACGCCGTCCACCTTGAAGGCAGGGGAGCTGCGCAC
 GCATGTCAGCCGCTGCCAAGTGTGCATGAGAAGAACA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001135009
Insert Size:	5010 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_001135009.1, NP_001128481.1</u>
RefSeq Size:	6579 bp
RefSeq ORF:	5010 bp
Locus ID:	290905
Cytogenetics:	16q12.5