

Product datasheet for **RN214908**

Col1a2 (NM_053356) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col1a2 (NM_053356) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col1a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214908 representing NM_053356 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAGCTTTGTGGATACGCGGACTCTGTTGCTGCTTGCAGTAACGTCGTGCCTAGCAACATGCCAAT
CTTTACAATGGGATCTGTACGGAAGGGCCCACTGGAGACAGAGACCGCGTGGACAAAGGGGCCAGC
AGGTCCCCGAGGCAGAGATGGTGTGATGGTCCCGTTGGCCCTCCTGGTCCCCCTGGCCCC
CCTGGTCCCCCTGGCCCCCTGGTCTTACTGGAACTTTGCTGCTCAGTATTCTGACAAAGGAGTTTCAG
CTGGCCCCGACCAATGGGCTTAATGGGACCCAGAGGCCCTCCTGGTGTGTCGGAGCCCCCTGGCCCTCA
AGGTTTCCAAGGACCTGCTGGTGAAGCTGGTGAAGGACCCGACAAACGGGTCTGCAGGTTCCCGTGGGCCA
GCTGGCCCTCCTGGCAAGGCCGGTGAAGATGGTCAACCCTGGAAAACCTGGAAGACCTGGCAGAGAGGAG
TCGTTGGGCCACAAGGTGCTCGTGGTTTCCCTGGGACTCCTGGACTTCTGGCTTCAAAGGCATTGAGG
ACACAACGGTCTGGATGGATTGAAAGGACAGCCTGGTCCCAGGGTGTGAAGGTGAACCCGGTGGCCCT
GGAGAGAATGGAACCCAGGTCAAGCAGGAGCCCAGGGCTTCTGGTGAAGAGGGCGTGTGCGAGCTC
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GGGCCCTCCTGGACCTCAGGGTGTCAAGGTGGCAAGGTGAACAGGGCCCTGCTGGTCTCCAGGCTTC



CAGGGTCTCCCGGTCCCTCTGGTACCGCTGGAGAAGTTGGCAAGCCGGGAGAAAGGGTCTTCCCGGTG
 AATTCCGGTCTCCCTGGTCTGCTGGTCCAAGAGGAGAACGTGGTCCCCAGGTGAGAGTGGAGCTGCTGG
 TCCTTCTGGTCTATTGGAATCCGAGGTCCCTCTGGAGCCCCAGGGCCTGATGGGAACAAGGGTGAAGCT
 GGTGCAGTCGGTCTCCAGGCTCTGCTGGTGCCTCTGGTCTGGTGGCTTCCAGGAGAGAGGGGTGCTG
 CTGGCATACTGGAGGCAAAGGAGAAAAGGGTGAACCTGGTCTCAGAGGTGAAATCGGCAACCCTGGTAG
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 GGTGCATCTGGTCCCCCTGGATTTGCTGGCGAGAAGGGTCTTCTGGAGAACCTGGTACCACAGGACCCC
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 TGGCAACATTGGTCCCCTGGTCTGACGGTCTCCTGGTCTCATGGTTCTGTGGGTCCTGCTGGGAAA
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 CTTAAAAGGACACAATGGATTACAGGGTCTTCTGGTCTGCTGGGTCATGGTGACCAAGGAGTCTCT
 GGTCCCGTGGTCTGCTGGTCCCAGGGTCTGCTGGTCTTCTGGCCCATGGCAAAGATGGTAGAT
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 CCCTGGTCCCCCTGGCCCTCCTGGCCCTCCTGGTGTGAGCGGAGGAGGCTATGACTTTGGTTTCGAAGGA
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 CACATGCCGTGACTTAAGACTCAGCCACCAGAGTGAAGAGCGATTACTACTGGATTGACCCTAACCA
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 CTGTCAACACCCAGCCAAGAATGCATACAGCCGTGCCAGGCCAACAAAGCATGTCTGGTATAGGAGAGAC
 CATCAATGGTGGCAGCCAGTTTGAATACAACGCAGAAGGGGTGCTCTCCAAGGAAATGGCAACTCAGCTC
 GCCTTCATGCGCCTGCTAGCCAACCGTGTCTCAGAACATCACCTACCCTGCAAGAACAGCATTGCGT
 ACCTGGACGAGGAGACAGGCCCGCTGAATAAGGCTGCTATTCTGACGGGCTCCAAGCAGCTCGAAGTGT
 TGCTGAGGGCAACAGCAGATTACCTACACTGTCTTGTGATGGCTGCTCCAAAAGACAAATGAATGG
 GACAAGACAGTCATTGAATACAAAACGAATAAGCCATCTCGCCTGCCATTCTTGACATTGCACCTCTGG
 ACATCGGTGGTACTAACCAAGAATTCGGTGGAGGTTGGCCCTGCTGTTTCAAA**TAA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053356
- Insert Size:** 4119 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: [NM_053356.1](#), [NP_445808.1](#)

RefSeq Size: 4474 bp

RefSeq ORF: 4119 bp

Locus ID: 84352

UniProt ID: [P02466](#)

Cytogenetics: 4q21

Gene Summary: structural constituent of the extracellular matrix [RGD, Feb 2006]