

## Product datasheet for RN201522

### Col3a1 (NM\_032085) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col3a1 (NM_032085) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col3a1
Synonyms:	MGC93704
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201522 representing NM_032085 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGAGCTTTGTGCAATGTGGGACCTGGTTTCTCTCACCTGCTTCACCCCTCTTTATTTGGCAC  
AGCAGTCCAATGTAGATGAATTGGGATGCAACTACCTGGTCAGTCCTATGAGTCTAGAGATGTCTGGAA  
GCCAGAACCATGTCAAATATGTGTCTGCGACTCGGGATCTGTCTCTGTGATGACATAATGTGTGATGAT  
GAGCCACTAGACTGCCCAACCCAGAGATCCCATTGGAGAATGTTGTGCAATATGTCCACAGCCTTCTA  
CACCTGCTCCTGTATTCTGTGGTAATAGACCTCAAGGCCCAAGGGAGATCCAGGCCCTCCTGGCAT  
TCCTGGGAGAAAATGGCGACCCTGGTCTTCCAGGACAACCAAGGGCTCCCTGGTCTCCTGGCTCCCTGGAA  
ATCTGTGAATCATGTCCAACCTGGTGGCCAGAATTATTCTCCCAATTCGACTCATATGATGTCAAGTCTG  
GAGTGGGAGGAATGGGTGGCTATCCTGGACCAGCTGGTCCACCAGGCCCTCCAGGACCCCTGGTTCCTC  
TGGACATCCTGGATCTCCTGGTTCTCCTGGATACCAAGTCTCCTGGTGAACCGGGTCAAGCTGGTCTC  
GCAGGCCCTCCAGGACCTCCTGGTGCTATTGGTCCATCTGGCCCTGCAGGAAAGGATGGAGAGTCAAGAA  
GACCCGGACGACCTGGAGAGCGTGGACTGCCTGGACCTCCAGGTATCAAAGGCCAGCTGGTATCCCTGG  
ATTCCCGGTATGAAAGGACACAGAGGCTTTGATGGACGCAATGGAGAGAAGGGTGAACCGGTGCTCCT  
GGATTGAAGGGTGAACCGGTCTTCCGGGAGACAACGGAGCTCCTGGCCCATGGGTCCCAGAGGGGCTC  
CTGGTGAGCGAGGACGACCAGGTCTTCTGGAGCCGAGGTGCTCGAGGCAATGATGGTGTCTCGGGGCGAG  
TGACGGGCAACCAAGTCCCTGGTCTCCTGGAACCTGCAGGATTCCTGGATCTCCTGGTGTCTAAGGGT  
GAGGTTGGACCTGCAGGATCCCCTGGCTCAAATGGCTCTCCAGGACAAAGAGGGGAACTGGACCACAAG  
GACACGCTGGTGTCAAGGACCTCCTGGCCCTCCTGGCAATAATGGCAGTCTGGTGGGAAAGGTGAAAT  
GGGTCCAGCTGGCATTCTGGAGCTCCTGGACTCCTAGGAGCTAGGGTCCCCTGGACCAGCAGGAGCT  
AATGGTGCACCGGACAACGAGGTCTTCCAGGCAACCGGCAAGAATGGAGCAAAGGGAGGCCAGGAG  
CTCGGGTGAACGGGCGAAGCTGGTTCCTCCAGGATTCCAGGACCTAAGGGCGAAGACGGCAAAGATGG  
GTCACCAGGAGAACCTGGTGCAATGGAGTTCAGGAAACCAAGGAGAAAGGGGTGCCCTGGCTCCGA



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GGACCTGCAGGGCCAAATGGCGCCCCAGGAGAAAAGGGTCTGCTGGAGAGCGTGGTGGCCAGGTCTG  
 CAGGACCTAGAGGAGTAGCTGGAGAACCTGGCCGAGATGGAACCCCTGGAGGTCCAGGGATACGGGGTAT  
 GCCCGAAGTCCAGGTGGACCAGGCAATGATGGGAAACCAGGACCTCTGGAAGTCAAGGAGAAAGTGGT  
 CGCCCTGGTCTCTGGCCCATCTGGCCCCAGAGGTGAGCCTGGTGTGATGGGTTCCCTGGTCTAAAG  
 GAAATGATGGTGCACCTGGCAAAAACGGAGAACGGGGTGGCCCTGGGGTCTGGCCTCCAGGTCTGTC  
 TGGAAAGAATGGGAGACTGGACCTCAGGTCACCAAGGCATACCTGGTACCAGTGGTCTCCAGGAGAAAATGGAA  
 AACCCAGGAGAACCAGGTCCAAGGGTGAAGCTGGAGCACCTGGAGTTCCTGGAGGCAAGGGTATTCTGG  
 TGCCCTGGAGAACGTGGACCCCTGGAACCGCAGGAACCCCTGGGCTTAGAGGTGGAGCTGGACCCCT  
 GGGCTGAGGGAGGAAAGGGCCCTGCTGGTCCCCTGGTCCCCTGGTACTTCTGGTCTCTGGTCTGC  
 AAGGGATGCCAGGAGAGAGAGGAGTCTGGGAGTCTGGCCAAAGGGTAAAAGGGTGAAGCCAGGCGG  
 TGCGGGTCTGATGGAGTCCAGGAAAGGATGGCCGAGAGGTCTGCTGGTCTATTGGTCCCCTGGC  
 CCAGCTGGTCAAGCTGGAGATAAGGGTGAAGTGGTCCCCTGGACTCCAGGTATAGCTGGACCTCGAG  
 GTGGCCCTGGTGAAGAGGTAACATGGCCCTCCAGGACCTGCTGGCTTCCCGGGTCTCTGGGCAGAA  
 TGGTGAACCAGGTGCTAAAGGAGAAAGAGTGGCCCCGGAGAGAAAGGTGAAGGAGGCCCTCTGGTGC  
 GCAGGACCCCTGGTGGTCTGGACCTGCTGGTCTCTGGGCCTCAAGGTGTAAGGGTGAACGGGGCA  
 GTCTGGCGGTCTGGTCTGCTGGCTTCCCCTGGCGGTGGTCTTCTGGTCTCCCGCAACATGG  
 TAATCCAGGGCCCCAGGACCCAGTGGTCTCTGGCAAGGATGGCCCTCCAGGTCTGCAGGTAACAGT  
 GGTCTCTGGAAACCCCTGGAGTAGCTGGACAAAAGGTGATGCTGGCAACCAGGAGAGAAGGGGCCAC  
 CTGGTCTCAGGGTCTCCAGGATCTCCAGGTCCACTTGGAAATGCAGGGCTAAGTGGAGCACGAGGTCT  
 TGCTGGACCACAGGCATGCCAGGTCCACGGGGTAGCCCTGGACCTCAGGATCAAGGGTAAAAGTGA  
 AAGCCAGGAGCCAGTGGCATAATGGGGAACGTGGTCTCTGGACCCCAAGGTCTTCTGGTCAAGCTG  
 GTACAGTGGTGAAGCCGGAAGGATGGAAACCCCTGGATCAGATGGTCAAGGAGTCAAGGAGTCAAG  
 TGGTGGCAAGGGTGAATCGTGGTGAAGTGGTCTCTGGTGGCCAGGCGCTCTGGTCAAGGAGCA  
 CCTGGTCTGTTGGTCCATCTGGAAAAATGGTGAAGAGGAGAAACGGGTCTGCTGGTCTTCTGGT  
 CTCCAGGTCTGCTGGAGCTCGGGGTGCTCTGGTCCCCAAGGTCCACGAGGTGACAAAGGTGAAACTGG  
 TGAACGTGGTCTAATGGCATCAAAGGACATCGAGGATCCCTGGCAATCCAGGTCCCCAGGTTCTCC  
 GGTGCTGCTGGACACCAGGGTGCAGTGGTGTAGTCCAGGCCCTGCAGGTCCAGAGGCCAGTGGTCCAC  
 ATGGACCTCTGGAAAAGATGGATCAAGTGGACATCCAGGTCCCATTGGACCACCAGGGCTCGAGGTAA  
 CAGAGGTGAAAGAGGATCTGAGGGCTCGCCGGTCAACCCTGGACAGCCAGGACCCCTGGACCCCTGGT  
 GCCCTGGTCCCTGCTGTGGTGGCGGTGCTGCCATTGCTGGAGTGGAGGTGAAAAGTCTGGCGGCTTT  
 CACCATATTACGGGGATGATCCAATGGATTTCAAGATCAACACTGAGGAGATCATGTCTTCACTCAAGT  
 TGTTAACGGACAATAGAGAGTCTATCAGCCCTGATGGTCTAGAAAAAACCCCTGCTCGGAATTGCAGA  
 GACCTGAAATTCTGCCACCCTGAACTCAAGAGCGGAGAATACTGGGTTGATCCTAACCAAGGCTGCAAGA  
 TGGATGCTATAAAAGTGTCTGTAAATGGAACCCGGAGAAACATGCATAAATGCCAGTCCCATGACTGT  
 CCCCGGAAGCACTGGTGGACAGATGCTGGTGTGAGAAGAAACATGTTGGTTGGAGAATCTATGAAT  
 GGTGGCTTTCAGTTCAGCTATGGCAATCCTGATCTTCTGAAGATGTCTTGATGTACAGCTGGCCTTCC  
 TCAGACTTCTTCCAGCCGGCCCTCCAGAACATTACATACCCTGCAAAAACAGCATTGCCTACATGGA  
 TCAGGCCAATGGCAATGTAAGAAGTCTCTGAAGCTGATGGGATCCAATGAGGGAGAATCAAGGCTGAA  
 GGAAATAGCAAAATCACTTACACAGTCTAGAGGATGGCTGCACTAAACCACTGGTGAATGGAGCAAGA  
 CAGTCTTTGAATATCAAACACGCAAGGCCATGAGACTCCCATCATAGATATCGCACCTATGACATTGG  
 TGGTCTGATCAAGAATTTGGTGTGGACATTGGCCCTGTTTGGTTTTTAA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_032085  
**Insert Size:** 4392 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_032085.1</a></u> , <u><a href="#">NP_114474.1</a></u>
<b>RefSeq Size:</b>	4792 bp
<b>RefSeq ORF:</b>	4392 bp
<b>Locus ID:</b>	84032
<b>UniProt ID:</b>	<u><a href="#">P13941</a></u>
<b>Cytogenetics:</b>	9q22
<b>Gene Summary:</b>	may be involved in craniofacial development [RGD, Feb 2006]