

Product datasheet for **RR203891**

Col23a1 (NM_181636) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col23a1 (NM_181636) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col23a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR203891 representing NM_181636
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGCGGGCAGCGCGGGCGGGGAGGCACGCAGACCCCGCGCGGGCTGCGGGCGCGGG
 CGCTGGGCGCGCTGTGCCTGCTGCTGTCGGTGGGCTCTGCGACCCCTGTCTCCTGCTGGGCGCCAAAGC
 GGCCGCTTGCATGGCCGAGTGGCGGCGCTGGAGCAGGAGCGGAACTGTTGCGGCGTGGGGGCGCTCC
 GGAGCCCTGGCGGCTGGGCCGAAACGCACCTGGAGCGCCTGCTACGGGAGAAGTTGGATGGAGTCGCCA
 AGCTCAGGACAGTTCGAGAAGCCCCCTCTGAGTGCATCTGTCCCCCTGGTCCCCCTGGACGGCGTGGCAA
 GCCGGGACGAAGAGGCGACCCAGGCCCTCCGGGCAATCAGGACGAGATGGTACCCGGGACCTCTAGGT
 CTGGACGCAAGCCAGGACTTCCAGGCCCAAAGGGGAAAAGGGTGCACCAGGAGACTTTGGCCACGGG
 GAGCCAAAGGCAAGATGGAGCTGCAGGACCACCTGGGCTCCTGGGCCACCTGGGGCCCGGGCCCTCC
 TGGTGACTGGGAAAGATGGTCCCGAGGAGCTCAAGGCCAGAGGGTCCAGAGGAGAGTCTGGACAA
 GATGGCGAAATGGGCCCATGGGACCTCCAGGACCAAGGGAGAACCTGGCACTCCTGAAAGAAGGGGG
 ATGATGGGATACCCAGCCAGCCAGGACTCCCTGGACCCCAAGGGTGAAGGAGGAGATGTGGG
 GCCCAAGGAGAGACTGGAGTAGACGGTGGCCCTGGACTGAAGGGGGAGCCCGGTACCCAGGCACGGAT
 GGAGCCATAGGGCCCGGGTCCCCGGGCTCAAGGGAGAACAAGGTGACACGGTGGTAATCGACTATG
 ATGGCAGGATCTTAGATGCCCTGAAGGGTCTCCCGGACCACAGGGAGCTCCTGGGCCACAGGGATCCC
 TGGAGCCAAGGGTGAAGTGGATTGCCTGGTGCCTCAGGAATCGATGGAGAGAAGGGTCCCAAAGGACCA
 AAAGGAGACCCAGGAGAGCCTGGACAGCTGGACCCAAAGGGGAAACAGGAGAGATGGCCCTGTCAAGTCT
 TTCCGGGTGCCGATGGTCCCAAGGGGAGAAAAGGGAGAGTCAAGTCTGACCATCTACAGGAGAGCTGGC
 CCAGATCATAGTGGAGCCAGGGCCCGGCTCCTCCTGGGCCCCCGGCCCATGGGCCTCAGGGGATC
 CAGGGTCCCAAGGCCTGGATGGAGCAAGGGGAGAAAAGGGTGCATCGGGTGAAGAGAGGCCCTCACGGT
 GCCTGGACAGTTGGCCACCAGGCCTTATTGGTTGCCCGAACCAAGGAGAGAAGGGCCGACCCGG
 AGAGCCAGGACTCGACGGTTTCCCTGGACCCAGGGGAGAGAAAGGCGACCGAAGTGAACGAGGAGAGAAG
 GGGGAGCGAGGAGTTCCTGGTGGAAAGGAGTGAAGGCCAGAAGGGAGAGCCAGGCCACCAGGCCTTG
 ACCAGCCATGCCCTGTGGGCCCGACGGTTGCCTGTGCCTGGTGTGCTGGCATAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

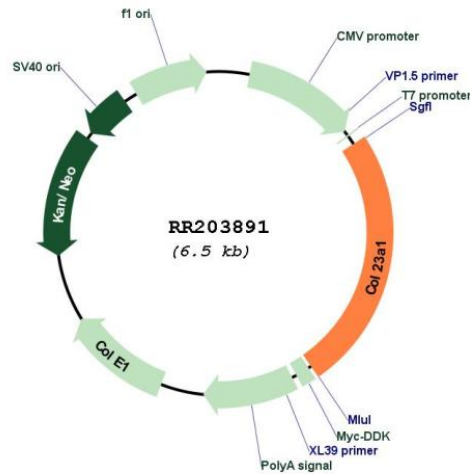
>RR203891 representing NM_181636
 Red=Cloning site Green=Tags(s)

MGAGERAAGGGGTQDPGAGCGARALGALCLLLSVGSATACLLLGAQAAALHGRVAALEQERELLRRAGPS
 GALAAWAETHLERLLREKLDGVAKLRTVREAPSECICPPGPPGRRGKPGRRGDPGPPGQSGRDGYPGLG
 LDGKPLGPKGEGKAPGDFGPRGAQQDGAAGPPGPPGPPGARGPPGDTGKDGPRGAQGPGEPRGESGQ
 DGEMGPMGPPGPKGEPGTPGKKGDDGIPSPGLPGLPGLGPPGPKGEPGDPVGPQGETGVDGAPGLKGEHPGTD
 GAI GPRGPPGLKGEQDVTVIDYDGRILDALGPPGPPGAPGPPGIPGAKGELGLPGAPIDGKPKGP
 KGDPGEPGAPGPKGETGEMGLSGLPGADGPKGEGESASDHLQESLAQIIIVEP GPPGPPGPPGPMGLQGI
 QGPKGLDGAKEKASGERGPHGLPGVP GPPGLIGLPGTKGKGRPGEPGLDGFPGPRGKGRDRSERGEK
 GERGVPRKGVKQKGEPPGLDQPCVPGDGLPVP GCGWHK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN:	NM_181636
ORF Size:	1596 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_181636.2](#), [NP_853667.1](#)

RefSeq Size: 2733 bp

RefSeq ORF: 1599 bp

Locus ID: 353303

UniProt ID: [Q810Y4](#)

Cytogenetics: 10q21

MW: 51.4 kDa

Gene Summary: transmembrane collagen; demonstrates a low affinity interaction with heparin [RGD, Feb 2006]