

Product datasheet for **RN209681**

Col11a2 (NM_212528) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col11a2 (NM_212528) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col11a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209681 representing NM_212528 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGGTGCAGCCGCTGCCACCGCCTCTACTGCTCCTACCTCTGGTCTGGGTCTGAGTGCTGCC
CAGGATGGGCAGGTGCACCCTCTGTGGATGTGCTACGTGCCCTGAGGTTCCCTCCCTCCCGATGGTGT
TCGAAATCAAAGGGGCTGTCCAGCTGATGTGGCTTACCGTGTGGCAGCACCTGCCAGCTCAGCGCA
CCACACGCCAGCTTCCAGGAGGCTTCCCAAAGATTTCTCTCTGCTGACTGTTGTCCGGACCCGCT
CTGGCCTCCAAGCTCCCTCCTGACTCTATACAGTGCCAGGGAGTCCAGCAACTGGGCCTGGAGCTCGG
TCGTCCAGTCCGCTTTCTATGAGGACCAGAGGGGACGGCCACAAGCCTCCGCTCAGCCATCTCCGA
GGCCTGAGCCTCGCTGATGGCAAGTGGCACCATGTGGCTGTAGCTGTGAAGGGTCACTGTCACTCTCA
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GGTGGTATCTTTGGTGGCCACGCTCCTCGATGATGAAGTCTTTGAAGGTGATGTTAGGAACTCCTCATT
GTCCCGGGCGTCCAAGCTGCCTATCAGTCTTGTGGACAGAAGGACCTGGAATGCGAGAGAGAACAGAGGG
ACGGCCCTCAGACTCAGAAGCCTCACAGGGCCAGAGATCTCAAAGAAGGAGCCAGCCAGACTTCATAA
GCCACAGAACCAGGAGCCCGCAGCAGTACCCACCCAGGTGAAGAGGAAGGAGTCTGGAGTCCAGC
CTCTTGCCATCTCTTGAAGAGTTGCCACGGACCCCGGGGGCTAAAGGGAGAGAAGGGAGACCTGCAG
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GTGGTGAAGGGCCCGTGGTGGCAGCCAGGAGGCCAGGCCAGGCAATTCTGCAGCAGGCACGGCT
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CCTGGCTTGAAGGAGAATCTGGAGACCTGGGCCACAGGGCCAGAGGACCTCAGGGCCTCACAGGTC
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CGTGAAGGGTGACCGAGGCTTTGACGGACTGCCTGGGCTACCTGGTGAAGGGACAAGGGGTGACACA
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CCCGGGACCTCAAGGAGAGCCAGGGCCTCCCGGACAACAGGGCACTCCTGGAACCTCAGGGCCTCCCGGA



CCTCAGGGTGCCATTGGACCTCATGGAGAGAAGGGCCCTCGTGGGAAACCAGGCCTCCCTGGCATGCCGG
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 CGGACCTCAGGGTCTTTAGGATACCCAGGCCCTCGAGGCGTCAAGGGCGTGGATGGGATTCGGGGCCTG
 AAGGGCCACAAGGGTAAAAGGGTGAGGACGGCTTCTGGATTCAAAGGTGACATAGGTGTGAAAGGAG
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 GGCCCTGCAGGCTCTCTGGCGAGCGAGGTGCAGCAGGATCAGGGGGCCCATTTGGTCCCTGGACGTC
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 GAGGATGGAGACAAGGGTGGGTGGGCGACCTGGGCAGAAAGGGAACCAAAGGAAACAAGGGTGAGCATG
 GCCCTCTGGCCCTCTGGTCCCATCGTCTGTGGGGCAGCCTGGAGCTGCGGGAGCTGACGGCGAGCC
 CGGAGCCCGGGACCCACAGGACACTTTGGAGCCAAAGGTGACGAAGGAACAAGAGGGTTCAATGGGCC
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 TCCCCCTGGAGGTGTCGGAACCTTGGGTCCCCCTGGAGAGAAGGGTGAACCAGGGGAGTCGGGGTCTCCA
 GGAGTCCAGGGTGAAGCGGGCGTCAAGGGTCCACGTGGAGAGCGTGGTGAAGAGAGAGTCTGGGCAGG
 CAGGAGAGGCTGGACCACAGGGCCCAAAGGCCCTACAGGCGATGACGGCCCCAAGGGGAACCTGGTCC
 CGTTGGCTTCTGGGGACCTGGCCCCCGGAGAAGCTGGCCCAAGGGGCCAGGATGGTGTCTAAGGGA
 AGCCAAGGCGAGGATGGCGAGCCGGGACAGCCTGGATCCCCGGCCCCACCGGGGAGAACGGGCCCTG
 GACCTCTGGAAGCGGGGGGACCTGGTGTGTGGGGCCCCAGGAAAGACGGGCCCTGTGGCCCTGC
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 CCTGGAGCCACAGGCCAGGCTGGGCCCCAGGCTCTGTGGACCCCCAGGGCTTCTGGCCTCCGGGGT
 ATGCTGGCGCAAGGGGAGAAGGGTATCCAGGCCTCATCGGACTGATTGGGCCGACCGGAGAGCAAGG
 CGAGAAGGGTGACCGTGGCCTTCTGGCCCTCAGGGCTCACCTGGACAAAAGGGAGAGACGGGTATCCCA
 GGAGCATCTGGTCTATCGGTCTGGAGGACCTCTGGCCTGCCTGGACCGTCCGGCCCCAAAGGAGCTA
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 CCCGGGCGAGGTGATCCAGCCACTGCCATCCAGATGCCAAGAAGACCCGGCGCTCTGTGGACGGAAGC
 AAAGTATGCAGGATGAGGAGGCCACACCCACTGGCGGTGCCCGGGCAGTCTGCAGGACTGGAGGAGA
 TCTTCGGTTCAGTGGACTCTCTCGGGGAGGAGATCGAACAGATGAGGAGGCCGACAGGGACCCAGGACAG
 CCCTGCCCGCACCTGCCAGGACTTGAAGCTGTGCCACCCAGAGCTTCCCGATGGAGAGTACTGGGTTGAC
 CCAACCAGGGCTGTGCCCGGGACGCCTCCGGGTGTTCTGCAACTTTACAGCAGGAGGGGAGACTTGTG
 TCACACCCAGGGATGACGTACACAGTTCTCTACGTGGACTCTGAAGGCTCCCCAGTGGGCGTGGTCCA
 GCTCACCTTCTGCGGCTGCTCAGCGTCTCTGCCACCAGGATGTTTCTACCCTTGTCTGGGGTATCC
 CAGGACGGTCCCCTGAACTCCGAGGGGCAATGAGGATGAGCTGAGCCCTGAGACCAGCCCTTACGTCA
 AGGAGTTCAGAGATGGCTGTGAGACCCAGCAAGGCCGGACGGTGTAGAGGTGCGCACGCTGTGCTGGA
 GCAGCTGCCCGTGTGGATGCTTCTTCTCAGACCTGGGGGCCCTACAAGACGGGGAGGGGTGCTTCTG
 GGGCTGTCTGCTTCATGGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_212528

Insert Size:	4854 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_212528.1</u> , <u>NP_997693.1</u>
RefSeq Size:	5951 bp
RefSeq ORF:	4854 bp
Locus ID:	294279
Cytogenetics:	20p12