

Product datasheet for RN217662

Col16a1 (NM_001302967) Rat Untagged Clone

Product data:

| | |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Col16a1 (NM_001302967) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Col16a1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN217662 representing NM_001302967 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGTATCTGGGCTCCCGCCTATGGGTGCTTGGGCTCTGGGCCACCTTCAGCCATGGAACAATA
TAGGTGAGCGCTGCCAACTTACAGGAAGAAGGACTCAAGCTGGAACACAGCAGTGACCCGTCAACCAA
CATGACTGGCTTCAACCTAATCCGCAGGCTGAACCTTATGAAGACATCCGCCATCAAAAAGATCCGCAAC
CCCAAGGGGCTCTCATCTTGCAGCTGGGGCTGCCCACTGACCAAGCAACTCGACGAGTGTCCCTC
GGGCTCCCCGAGGAGTTTGCCTGGTCTGACGGTCTTCTGAAGAAACACACCTTCCGGAATACATG
GTACTTATCCAAAGTACTGACGCAAATGGGTACCCACAGGTCTCCTTGAAGTCAACAGCCAGGAGCGG
ACTCTAGAGCTCCGGGCACAGGGCCAAGATGGTACTTTGTGCTCCTGCATCTTCCAGTGCCTCAGCTCT
TCGATCTGCGTTGGCACAAGCTGATGCTGAGCGTGGCAAGCCGTGTGGCCTCTGTGCATGTGGACTGCGT
CTCGGCTTCTCCAGCCTCTGGGGCCCCGAGCCCATCCGGCCTGGGGACATGTGTTTCTGGGCTTG
GACGCTGAGCAGGGCAAGCCGTTTCAATTTGACCTTACAGCAGGCGCACATCTACTGTGACCCGGAGCTGG
TGCTGGAGGAAGGCTGCTGTGAGATCTTACCGGGAGGGTGTCCCCAGAGACCTCAAGTACGCCGGGA
CACCCAGAGTAAAGCTCATTGAGATCAATCCTCAGACCAGGGCAAGGTCTACACCCGCTGCTTCTGC
TTGGAAGAACCTCATAACAGCAAGGTGGACGCACAGCTGATGGGAAGAAGCAGCCAGAAGGCAGAAAGGG
GGACAAAGGCCACCAGGAGACTGGAGCCAGCGAGTGTCCGCCCTGTGCCCGCAGCGCCCGGAGAGCAA
TGTACACTTGGTCCCCCTGGCCTCAAGGGAGGGAAAGGTGACCAAGGCCTGACTGGACCATCAGGCCCC
AAGGGAGAGAAGGGAGCACGGGGCAATGACTGTGTTTCAATCTCCCCAGATGGCCCACTTCAAGTGTGAG
AAGGTCCGAAAGGAGAGAAGGGAGAATCAGGAGACTTGGGACCCTCAGGACTCCCGGGCCCAACAGGCCA
GAAGGGCCAGAAAGGGGAGAAGGGCGATGGAGGCTCAAAGGACTGCCGGGAAAGCCGGGGCAGATGGT
CGGCCAGGAGAGATCTGTGTCATTTGGGCCAAAGGGCAGAAAGGAGACCTGGCTTTGTTGGGCTGAGG
GATTGGCAGGAGAGCCTGGGCCCCCTGGCTACCCGACCACCTGGGATAGGACTGCCTGGGACTCCTGG
AGATCCAGGTGGCCACCAGGCCCTAAAGGAGCAAAGGGCAGCTTGAATACCAGGAAAGGAAGGCCCA
GGAGGGAAAGCCGGGAAGCCAGGAGTACCCGGGACTAAGGGAGAAAAGGGTGACCCTGTGAAGTGTGTC
CAACGCTGCCGAAGGGTCCAGAACTTTGTGGGCTCCCTGAAAAGCCAGGGCCTAAAGGAGAACCAGG



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TGATCCTGCTCCAGCCAGGGAGGGCCTAGGAAGTGTGGACTGAAAGGTGACCGGGGAGATCCAGGCATC
 CAAGGAATGAAAGGAGAGAAGGGGGAACCTGCTCATCCTGCAGTTCAGGTGTTGGGGCCAGCATCTTG
 GGCCCTCCACTGGGGTCAATGAAGACATGGGCTCCCCTGTCCATGGTTTACCTGGCCTTCCGGGCAAACC
 TGGAAATCCCGGGCAAGAGGCATGAAAGGAGAGAAGGGTAGTTTTGGCGATGCTGGGCCGGCTGGAGTT
 GCGGGACCACCAGGACCAGTGGGACCGGCTGGTATCAAAGGGGCAAAGGGGGAGCCGTGTGAGCCCTGTG
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 AGAGCCTGGGCCCCGGGCTCCGGCTGCCTGGGAAGCAGGGTAGAGCTGGAGAGCGTGGACTCAAGGGG
 CAGAAGGGGGATGCTGGGAATCCAGGAGACCCTGGAACGCCAGGCATCACAGGGCAGCCTGGAATGTCTG
 GAGAGCCTGGGGTTCGGGGTCTGCAGGACCAAAAGGAGAAAAGGGCGATGGATGCACTGCCTGCCTAG
 CCTGCAGGGGGCTTGACAGATGTATCGGGACTGCCTGGGAAACCAGGTCCCAAAGGAGAGCCAGGTCTT
 GAAGGTGTGGGTGGCCCGGTAACCCAGGCCAGCCTGGTCTACCAGGAGTTCAAGGGCCTCCAGGACTGA
 AGGGCACTCAGGGAGAGCCTGGACTCCAGGCACCGGTGCTGAGGGACCCAGGGGGAGCCTGGAACCCC
 AGGTTTGCCTGGCATTAGGGGGCCCCGGACCTCGGGGACCACCTGGCTCAACCGCGAACACGGTGCC
 CAGGGACCTCAGGGCCAAAGGAGCCACAGGACCCATGGGACCTCCTGGTGCTAGTATCTCTGGGCCCTC
 CGGGCCAAAGGGATCACGAGGAGAAAAGGTGAACCGGGAGAGTGTTCCTGTCTTCTCGAGGAGAGCC
 CATCTTCTCCGGATGCCGGGTGCTCCGGGACTGTGGATGGGACGCTCCTCGCAGCCGGGCCCGAGGGT
 CCCCCAGGTGCCCCGGACCACCAGGTCCCCCGGAATGCCTGGATTGCAGGGAGTGCCTGGACACAACG
 GTTTGCCAGGACAGCCTGGGCTCACTGCCGAGCTGGGATCCTTACCCATCGAGCAGCATCTCCTCAAGAG
 CATCTGTGGTGACTGTGCCAGGGCCAGGCAGCCATTAGCCTCCCTTCTGGTGAAGGAGAAAAGGGG
 GACCAGGGTGTCCCTGGTGTGCCGGTTTCAACGACTGTGCCAGGTGCTTATAGAGAGGGAGCGCCCGA
 GAGCTGAGGAGGCCAGGGGAGACAACAGTGAGGGAGAACCTGGCTGTCTGGGAGCCCTGGCCTGCCTGG
 TCCTCCAGGGATGCCTGGCCAAAGAGGAGAAGAGGGTCCACCTGGCATGAGGGGCTCTCCTGGTCTTCCA
 GGCCCTGTTGGTCTTCAAGGGGAGCGAGGCCACAGGCCTGACTGGAGACAAGGAGAACCGGGTCCCC
 CAGGACAGCCTGGCTACCGGGTGCCATGGGTCCCCAGGACTGCCTGGCATCAAGGGAGAAAAGGGATA
 TGCTGGCCCTGCGGGAGAGAAGGGGAGTGGGGCCACCAGGATCTGAAGGCCTTCCAGGTCCCCAAGGT
 CCAGCGGGTCCCCGAGGAGAGCGAGGTCCCAAGGGAGCTCGGGAGAGAAGGGTATCAGGGATTCAAG
 GCCAGCCAGGTTTCCCTGGCCCACCGGGTCCCCGGGATCCAGGCAAAGCTGGAGCTCCTGGCCCACC
 TGGCCCCAAGCAGAGAAGGGCAGTGAAGGGATGCGAGGTCCCTCAGGCTTGCCTGGTCCCCTGGACCA
 CCAGGCCCTCCTGGGATTAGGGCCCTGCTGGACTGGATGGACTGGATGGGAAAGACGGCAAACCGGGCC
 TGAGGGGGGACCCAGTCCCGCTGGCCCTCCTGGACTCATGGGACCTCCAGGTTTCAAAGGGAAAACAGG
 GCATCCTGGTCTCCTGGACCTAAGGGTACTGTGAAAACCAGGTCTCCTGGCAGCAGTGGCCGGCCA
 GGTGCAGAGGGTGAAGCCGGTGCCATGGGACCCAGGGACGACCAGGACCTCCAGGGCATCTTGGGCCAC
 AGGGGCCCTCAGGCCAGCCAGGTCCACCTGGGCTCTCCACCATGGGCTGAAAGGAGATCGGGGATCCCC
 TGGAGAAAAGGGGCTTGGCCGGCCTCCCAGGCCAGCCTGGCACACCCGGACACCCCGGCCCTCCGGGTGAA
 CCTGGTTCCGATGGTGCAGCTGGCAAAGAGGGACCTCCAGGAAAGCAGGGACTCTATGGACCCCCGGCC
 CAAAGGGTGACCCAGGACCTGCAGGACAGAAAGGCCAAGCAGGAGAAAAGGGAAGATCTGGCATGCCTGG
 GGGCCCTGGCAAGAGTGGCTCCATGGGACCGATTGGACCACCGGGTCTCGGGGAGAGAGGGCCACCT
 GGGTCCCAGGGCCTGCTGGGAACCTGGATTGCCTGGTTTGGCAGGCTCTATGGGAGACATGGTGAATT
 ATGATGATATCAAGAGGTTTATCAGACAAGAGATCATTAACTGTTTATGAGAGGATGGCTTACTACAC
 CTCTAGGATGCAGTTCCTCATGGAGGTGGCAGCAGCTCCAGGCCGGCCAGGGCCTCCAGGGAAGGATGGC
 GCCCAGGGCGGCAGGTGCTCCAGGGTCACTGGGCTCCTGGTCCAGATAGGCCGAGAAGGACGCCAGG
 GTTTGCCAGGAATGAGAGGATTGCCTGGTACCAAAGGTGATAAGGGAGACATTGGTGTTCGATTGCAGG
 AGAAAAATGGTCTCCCTGGCCCTCAGGTCCTCAAGGGCTCCAGGTTATGGCAAGATGGGTGCAACCGGG
 CCAATGGGCCAGCAAGGCATTCTGGGATCCCTGGCCCCCGGGGCCATGGGCCAGCCAGGGAAGGCAG
 GCCACTGCAACCCCTCAGACTGTTTTGGGGCCATGCCAATGGAGCAGCAGTACCCGCCATAAAAAGCAT
 GAAGGGGCCTTTTGGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001302967

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| Insert Size: | 4779 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). |
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_001302967.1, NP_001289896.1</u> |
| RefSeq Size: | 5212 bp |
| RefSeq ORF: | 4779 bp |
| Locus ID: | 366474 |
| Cytogenetics: | 5q36 |