

Product datasheet for RN217421

Col6a2 (NM_001100741) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col6a2 (NM_001100741) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Col6a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217421 representing NM_001100741 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGACGACTACTACCAAGATGCTCCAGGGTTCTTTTTCTGTGCTCCTGCTTGGGGACTCTTGGGGTCC
TCCATGCCAGCAGCAGGAAGCCATCTCACCTGATATCTCTACTACTGACAGGAACAACACTGTCCAGA
GAAGGCTGACTGCCAGTCAACGTGACTTCGTGTTGGACACCTCGGAGAGCGTGGCCATGCAGTCCCC
ACAGACAGCCTGCTTTATCACATGCAGCAGTTCGTACCACAATTTATCAGCCAGCTGCAGAACGAGTTCT
ACCTGGAGCAGGTGGCCCTGAGCTGGCGTATGGTGGCCTACACTTCTCGGACCAGGTGGAGGTGTCAG
CCCCCAGGCAGCGACCGGGCCTCCTTCACTAAGAGCCTACAAGGCATCCGCTCCTTCCGACGGGACCC
TTCCTGACTGTGCCTTGGCCAACATGACCCAGCAGATCCGGCAGCACGTAGGCCGGGTGTAGTCAACT
TTGCCGTGGTCATCACCATGGCCAGTCACAGGCAATCCCTGTGGGGCATCAAATGCAGGCTGAGCG
TGCCCGGAGGAGGGCATCCGGCTTTTGGCGTGGCCCCAATAGGAACCTAAATGAACAAGGCCTGCGG
GATATCGCCAACACCCACATGAGCTATACCGAAACAATATGCCACCATGCGACCTGACTCTACTGAGA
TTGACCAGGACACCATCAACCGCATCATCAAGGTGATGAAACATGAAGCCTACGGAGAGTGTACAAGT
GAGCTGCCTGGAGATTCGGGACCCACGGACCCAAGGGTTACCGAGGACAGAAGGGCGCCAAGGGCAAC
ATGGGCGAGCCAGGAGAACCTGGACAGAAAGGACGACAGGGAGACCCCTGGCATTGAAGGCCCCATTGGAT
TCCCAGGACCCAAGGGTGTGCCTGGCTTCAAGGGAGAGAAGGGTGAATTCGGATCAGATGGTCGGAAGGG
AGCTCCGGTCTAGCAGGCAAGAACGGAACAGATGGACAGAAAGGGCAAATGGGCCGATTGGGCCCTCCT
GGTTGCAAGGGAGACCCGGGAAGTCGGGGCCCCGATGGATACCCCGGAGAAGCTGGAAGCCCGGGAGAGC
AAGGAGACCAAGGTGCCAAGGGGACTCTGGCCGCCAGGACGACAGGGGACCACCAGGAAATCCTGGAGA
CAAAGGAAGCAAGGATATCGAGGCAACAGTGGAGCTCCCGGAAGTCCAGGAGTGAAGGAGGCAAGGGA
GGCCCTGGCCCCGTGGACCAAAAGGAGAGCCTGGACGACAGGGGAGATCCTGGGACCAAGGGCGGCCGG
GCAGTGATGGTCCAAGGGGGAGAAGGGAGACCCCTGGTCCTGAGGGGCCACGAGGTCTGGCTGGAGAAAT
CGGCAGTAAAGGAGCAAGGGGAGACAGAGTGGCTGGACCCAGAGGCCCCAGGGAGCTCTTGGGGAG
CCAGGGAAGCAGGGATCTCGGGGAGACCCCTGGGGATGCTGGCCCTCGAGGAGATTGAGGACCCAGGAC
CCAAGGGAGATCCTGGAAGGCCTGGATTGAGCTACCCAGGACCCCGAGGGACACCCGGTGAAGGCGA
GCCCGGCCACCGGCCCTGAGGGAGGCCGAGGAGACTTGGTCTGAAAGGAGCACCCGGACGGAAGGGA



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GAAAAAGGAGAGCCAGCTGATCCTGGTCCCCCTGGTGAACCTGGCCCTCGGGGGCCAAGAGGAATCCCAG
 GACCTGAGGGAGAACCCGGCCCTCCAGGAGATCCTGGTCTCACGGAATGTGACGTCATGACCTATGTGAG
 GGAGACCTGTGGGTGCTGTGACTGTGAGAAGCGCTGCGGTGCCCTGGATGTGGTCTTCGTCATCGACAGC
 TCTGAGAGTATTGGCTACACCAACTTACCTTGGAGAAGAAGTTTGTATCAATGTGGTCAACAGGCTGG
 GCGCCATTGCCAAGGACCCCAAGTCTGAAACGGGTACACGTGTGGGTGTGGTACAGTACAGCCATGAGGG
 CACCTTTGAGGCCATCCGGCTGGACGACGAGCGGGTCAACTCCCTGTCCAGTTTCAAGGAGGCCGTCAA
 AACCTTGAGTGGATTGCCGGCGGCACTTGGACGCCCTTGCCCTCAAGTTCGCCTATAATCAGTCATCA
 AAGAGAGCCGGCCGAGAAAGACCCGGGTTCGCAGTGGTCATCACAGATGGGCGCCATGACCCTCGAGA
 TGATGACCTCAATCTTCGGGCACTGTGTGACCGAGACGTCACCCTGACAGCCATCGGCATCGGTGACATG
 TTCCACGAGACCCACGAGAGCGAGAACCTTACTCCATCGCCTGTGACAAGCCCCAGCAGGTGCGCAACA
 TGACGCTGTTCTGACCTGGTGGCCGAGAAATTCATCGATGACATGGAAGACGTCCTTTGTCCGGACCC
 CCAGATCGTGTGCCAGAACTTCCCTGCCAAACAGAGCTCTATGTGGCCAGTGCACACAACGGCCCGTG
 GACATTGTCTTCTGCTGGATGGCTCGGAGCGGCTGGGCGAGCAGAACTTCTACAAGGCACGGCGCTTCG
 TGGAGGAGGTGTACGGCGCCTGACTCTGGCACGAAGGGATGACGACCCACTCAATGCCCGCATGGCCCT
 GTTGACGATGGAAGCCAGAACCAGCAACAGGTGGCCTTCCCGTTGACCTACAATGTGACCACCATCCAC
 GAGGCCCTGGAGAGAACCACCTACTCAATTCTTCTCGACGTTGGGCACAGGCATCGTGCACGCCATCA
 ACAACGTGGTGGGGGGGACGGGGTGGGGCCCGCGTACGCGGAGCTGTCTTCGTTCTTCTCACGGA
 CGGCGTACGGGCAACGACAGCCTGGAGGAGTCCGTACACTCCATGCGTAAGCAGAATGTGGTGGCCACC
 GTGGTTCGCTGTGGGTGGTGTGATGTGGACATGGATGTACTTACCAAGATCAGCCTGGGTGACAGGGCGGCA
 TCTTCCGGGAGAAAGACTTCGACAGTCTAGCCAGCCAGCTTCTTCGACAGTTTCATCCGCTGGATCTG
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001100741
- Insert Size:** 3084 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:**
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_001100741.1](#), [NP_001094211.1](#)
- RefSeq Size:** 3626 bp

RefSeq ORF: 3084 bp

Locus ID: 361821

Cytogenetics: 20p12