

Product datasheet for **MC224813**

Col4a4 (NM_007735) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col4a4 (NM_007735) Mouse Untagged Clone
Tag: Tag Free
Symbol: Col4a4
Synonyms: E130010M05Rik; [a]4(IV)
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224813 representing NM_007735
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGTGCTTTTTCAGATGGACCAAGTCCTTTGTCACAGCCCCCTGGTCACTAATATTTATCCTCTTTA
CTATACAATATGAATATGGGAGTGGCAAGAAGTATGGCGGCCCTGCGGAGGAAGAACTGCTCTGTCTG
CCAGTGTTTTCTGAGAAGGGATCTCGGGTACCAGGACCACCTGGGACCACAGGGACCAATAGGGCCC
TTGGGACCCCTGGGACCTATTGGGATCCAGGAGAAAAAGGAGAGAGAGGAGACAGTGGCTCACCTGGAC
CACCAGGAGAGAAAGGAGACAAGGGTCCAACTGGTGTCCCTGGATTTCCAGGTGTGGATGGTGTACCTGG
TCACCCAGGGCCTCCTGGACCCAGAGGCAAACCTGGTGTGGACGGCTACAATGGCTCACGTGGTGTACCG
GGCTATCCAGGAGAAAGAGGAGCTCCAGGCCAGGCGGCCCCCTGGTCAGCCTGGGGAAAATGGAGAAA
AAGGAAGATCTGTGTACATTACTGGTGGCGTTAAAGGTATTCAGGGAGACCGTGGGGACCCAGGACCACC
CGGCTTACCAGGATCTAGGGTGCACAAGGGTACCAGGGCCATGGGGCATGCAGGCGCACCAGGGCTA
GCAGGACCTATAGGTATCCTGGAAGCCCTGGTTGAAGGGAAAATCCTGCCACTGGACTGAAGGGACAAA
GGGGAGAGCCGGTGAAGTTGGCCAGCGTGGTCTCCTGGGCCACGCTGTTGGTACAGCCGCTGATT
GAGTATCTATAAAGGAGAAAAGGGTGTAAAAGGAATGCCTGGAATGATTGGTCCCCAGGACCTCCAGGT
CGCAAGGAGCGCCTGGTGTCCGGATCAAAGGAGAGAAAGGTATCCCTGGGTTCCAGGACCCCGGGGTG
AGCCTGGTTCGCATGGGCTCCAGGTTTTCCAGGATTCAGGGGATACAAGGAGCAGCTGGAGAGCCTGG
GCTGTTCCGATTTCTTGGTCCAAGGGGATCTGGGAGATCGCGGTACCCGGGACCACCAGGCATTTTG
TTGACTCCAGCTCCACCACTCAAAGGTGTTCCAGGGGACCAGGACCCCTGGCTACTATGGGGAGATTG
GAGATGTTGGATTACCAGGTCTCCAGGGCCCCAGGCAGACCAGGGGAACTTGTCCAGGCATGATGGG
ACCTCCTGGACCACCAGGGTTCCTGGTCTCCAGGATTTCCAGGAGAAGCTGGGGTTCTGGAAGACTC
GACTGTGCCCCAGGAAAACCTGGGAAGCCAGGGCTACCCGGCCTGCTGGCGCACCAGGACCAGAGGGGC
CCCTGGATCAGATGTGATATACTGTCCGCTGGGTGCCCTGGGCAATGGGTGAAAAGGAAAAAGTGGG
TCCTCCAGGAAGAAGAGGAGCCAAAGGAGCAAAAGGAAACAAGGGACTCTGTACCTGTCCACCTGGTCCC
ATGGGACCCCTGGTCCCCAGGACCTCCTGGAAGACAAGGAAGTAAAGGAGACTTAGGGTCCCTGGTT



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GGCATGGAGAAAAGGGCGATCCAGGTCAGCCTGGTGTGAAGGACCGCCAGGGCCACCAGGAAGACCTGG
 TGCCATGGGGCCCCCTGGTCACAAAGGGGAAAAGGGTGACATGGTCATATCAAGAGTGAAAGGGCAAAA
 GGAGAAAGAGGACTGGATGGGCCACCAGGATTTCCGGGGCCACATGGACAAGATGGTGGGGATGGACGTC
 CTGGAGAAAGAGGGGATCCTGGGCCACGAGGGGACCATAAGGATGCAGCCCCGGGTGAGAGAGGGCTTCC
 CGGACTGCCAGGCCCTCCAGGAAGAACAGGACCTGAGGGGCTCCAGGCTGGGATTTCCAGGCCACCA
 GGACAGCGAGGCCACCCGGAGACCCGGGCGTCCGGGCACCAGAGGCTTTGATGGCACGAAGGGGCAGA
 AAGGTGACTCCATTCTGTGTAATGTAAGCTACCCGGGAAAACAGGTCTGCCAGTCTTGATGGACCTCC
 AAGTCTGAAGGGGTTTCCAGGCCCCAGGGGCTCCTGGTATGAGATGTCCAGATGGGCAGAAAGGCCAG
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 CTCAGGTCTCAAAGTCCAAAGGTAGAGAGGGAAGTCGTGGCTTTCCAGGGATCCAGGATCCCTGG
 CCATTCTGTGAAAGAGGTGCTCCCGGATCCCAGGACAACCGGACTTCTGAACTCCAGGTGATCCA
 GGGGCCCCAGGTTGAAAAGGCCAGCCAGGAGACATGGGTCCCTCTGGACCAGCTGGGATGAAGGGCTCC
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 AGATGGTCTACCTGGTCTTCCAGGCTGAAGGGACTCCAGGGCTGCCTGGCTTCCCTGGTTTTCCAGGA
 GAGAGAGGAAAAGCCAGGGCCAGATGGAGAACCTGGAAGAAAGGGAGAGGTTGGAGAGAAAGGCTGGCCTG
 GCTTGAAGGGAGACCTGGGAGAGCGAGGCGCAAAAGGAGACAGAGGACTTCTGGTGTGACAGGAGAAGC
 AGTCACTTCCAGAAAGGGTGAACCTGGGGATGCTGGGCCCTCCAGGAGATGGTGGGTTCTCAGGAGAGAGA
 GGTGATAAAGGAAGCTCAGGGATGCGAGGGGGAAGAGGGGATCCCAGGAGATGGACTACCGGGACTCC
 ACAGAGGCAGCCTGGGATAGATGGGCCCTCTGGGCCCTCCTGGGCCCTTGGCCCTCCAGGATCACCTGG
 ACTGAGAGGAGTCATTGGTTTTCCAGGATTTCCAGGTGACCAAGGTTGATCCAGGTTCTCCAGGACCCCT
 GGATTTCCAGGAGATGATGGAGCAAGAGGACCTAAAGGATACAAAGGTGACCTGCCAGTCAGTGTGGTC
 CACCTGGTCCAAAGGGTGAAGGAGTGTCTGGATACCAAGGACGTACTGGAGTCCCGGAGAGAAAGG
 CTTTCTGGAGATGAAGGACCCGAGGACCACCAGGCAGACCTGGACAGCCTGGATCTTTTGGACCACCA
 GGGTGTCCAGGTGACCCAGGGATGCCCGGACTCAAGGGACATCCAGGAGAAGTGGGAGACCTGGGCCAA
 GAGGTGATGCGGGAGATTTGGGAGGCCAGGTCTGCTGGAGTGAAGGGCCTCTCGGTCTCCTGGTCT
 GAATGGCTACATGGTCTGAAGGGTGAAGAAAGGAAACAAAAGGCGCCTCAGGTTTGTCTGAAATGGGTCCA
 CCTGGGCCAATGGGGATGCTGGGCAAAAAGGAGAGAAAGGAGACCTGGGAGTCCAGGATTTCTCCTC
 CAGGTCTTCTGGAGAAAAGGGTTCCAGGACCCCAAGGAGACCAGGACCACCTGGTCCCGCAGGTGC
 CCCAGGAAGAGCTGCTAAAGGTGACATTCTGATCCAGGTCCACCTGGAGACCGGGGACCTCCTGGCCCC
 GATGGCCCAAGAGGAGTACCTGGGCTCCGGGTTCCCCTGGGAATGTTGACCTTCTGAAAGGGGACCCAG
 GTGACTGTGGTTTGCAGGACCACCTGGCTCCCGAGGCCACCAGGCCCTCCAGGGTGTCCAGGGTCCCCC
 AGGATGTGATGGCAAAGATGGCCAGAAAGGACCAATGGGACTTCCAGGGTTGCCAGGGCCACCTGGTCTT
 CCTGGGGCACCTGGCGAGAAGGGATTACCTGGCCCTCCAGGCAGAAAAGGGCCAGTAGGTCTCCAGGCT
 GCAGAGGTGAACCTGGGCTCCTGCAGACGTGGATTCTGTCTCGAATCCAGGACTTCTGGAGTGCC
 AGGTCCAGAGGACCAGAAGGAGCTATGGGGAACTGGACGGAGAGGCTGCCTGGACCAGGGTGCAAA
 GGAGAGCCTGGACCGGATGGCAGACGGGGCCAGGATGGCATCCCTGGATCTCCCGGCCCTCCTGGACGCA
 AAGGTGACACTGGAGAGGCAGGGTGTCTGGAGCACAGGCCCTCCTGGTCCAACCTGGTGTCTGGGCC
 CAAGGGGTTTGGCCCTGGATCGCTCAGTGGCTTCTCCTGGTTTCCACAGTCAGACTGACCAGGAACCG
 GCCTGCCCGTGGGATGCCTCGGCTTTGGACAGGGTACAGTTGTTGTACATGGAAGGACAGGAGAAGG
 CGCACAATCAAGATCTTGGTTTGGCAGGCTCTTGTCTTCTGTGTTTAGCACTCTGCCCTTTGCCTACTG
 CAACATCCACCAAGTGTGCCACTACGCCAGAGAAATGACAGGTCTACTGGCTGTCCAGTGCGGCTCCT
 CTTCTATGATGCCACTCTCAGAGGAAGAGATCCGCTCTTACATCAGCCGCTGTGCGGTGTGTGAGGCC
 CAGCACAGGCCGTGGCGGTCCACAGTCAGGACCAATCCATCCCACCGTGTCCACGGACATGGAGGAGTCT
 CTGGATTGGTACTCATTCTGATGCACACTGGAGCTGGGACCAAGGAGGTGGGCAGGCACTGATGTCA
 CCTGGCAGCTGCCTAGAGGACTTCAAGAGCTGCACCGTTCTGTTGAATGCCAGGGCCGACAGGGAACCTGTC
 ACTTTTTTCAAACGAGTACAGCTTCTGGCTGACCACCGTGAACCCAGACCTGCAGTTTGCCTCTGGCCC
 GTCACCAGACACCTTGAAGAAGTTCAGGCCACGCGCGGAAAATCAGCAGGTGCCAGGTTTGCATGAAG
 CACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007735

Insert Size: 5049 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:

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_007735.2](#), [NP_031761.1](#)

RefSeq Size: 7808 bp

RefSeq ORF: 5049 bp

Locus ID: 12829

UniProt ID: [Q9QZR9](#)

Cytogenetics: 1 C5

Gene Summary: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen.[UniProtKB/Swiss-Prot Function]