

Product datasheet for **MC224566**

Col4a1 (BC072650) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Col4a1 (BC072650) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Col4a1
 Synonyms: Bru; Col4a-1; Raw; Svc
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC072650
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCCCCGGCTCAGCGTCTGGCTTCTGCTGCTCTTCGCCGCCCTTCTGCTCCACGAGGAGCGCAGCC
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 CACCAGGCCCGATGGGCTGCCAGGATCCATGGGTCCCCAGGTACCCCATCTGTGGACCATGGCTTCT
 TGTGACCAGGCATAGTCAGACAACAGATGACCCACTGTGTCCCCAGGGACCAAAATTTTACCATGGA
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 CGACTACTTACTGGCTGTCCACGCCAGAGCCCATGCCATGTCCATGGCACCCATCTCTGGGACAAC
 ATCCGGCCCTTATTAGCAGCTTCTTGGAAAACAGGTGTGCGGTTTGTGAAGCACCGGCCATGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

BC072650

Insert Size:	4689 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>BC072650</u> , <u>AAH72650</u>
RefSeq Size:	6522 bp
RefSeq ORF:	4688 bp
Locus ID:	12826
Cytogenetics:	8 5.53 cM
Gene Summary:	This gene encodes the alpha-1 subunit of the type IV collagens, an essential component of basement membranes. The encoded protein forms a triple helical heterotrimer comprised of two alpha-1 and one alpha-2 subunits that assembles into a type IV collagen network. This gene is located adjacent to the gene encoding alpha-2 subunit. Mice lacking both the alpha-1 and alpha-2 subunits of collagen IV die in utero due to structural deficiencies in the basement membranes and certain mutations in this gene cause perinatal cerebral hemorrhage and porencephaly. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2015]