

## Product datasheet for MR223337

### Col4a3 (NM\_007734) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Col4a3 (NM\_007734) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Col4a3  
**Synonyms:** alpha3(IV); [a]3(IV)  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR223337 representing NM\_007734  
 Red=Cloning site Blue=ORF Green=Tags(s)

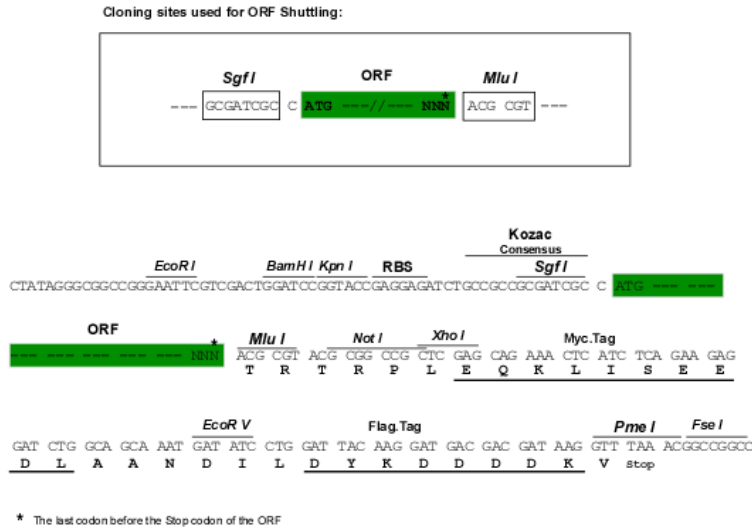
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**Cloning Scheme:**


**ACCN:** NM\_007734

**ORF Size:** 5007 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_007734.2](#), [NP\\_031760.2](#)

**RefSeq Size:** 8609 bp

**RefSeq ORF:** 5010 bp

**Locus ID:** 12828

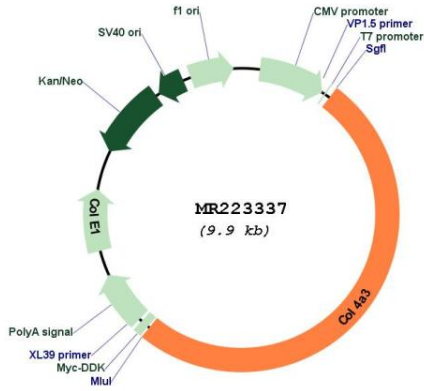
**UniProt ID:** [Q9QZS0](#)

**Cytogenetics:** 1 C5

**MW:** 161.7 kDa

**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]

**Product images:**



Circular map for MR223337