

Product datasheet for MR220599

Col11a2 (NM_009926) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Col11a2 (NM_009926) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Col11a2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR220599 representing NM_009926 Red=Cloning site Blue=ORF Green=Tags(s) |

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GCCGGGAGTCCGAGGCATGGACGGTCCCCACGGCCCCAAAGGGAGCTTGGGACCTCAAGGAGAGCCAGGA
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Protein Sequence: >MR220599 representing NM_009926
 Red=Cloning site Green=Tags(s)

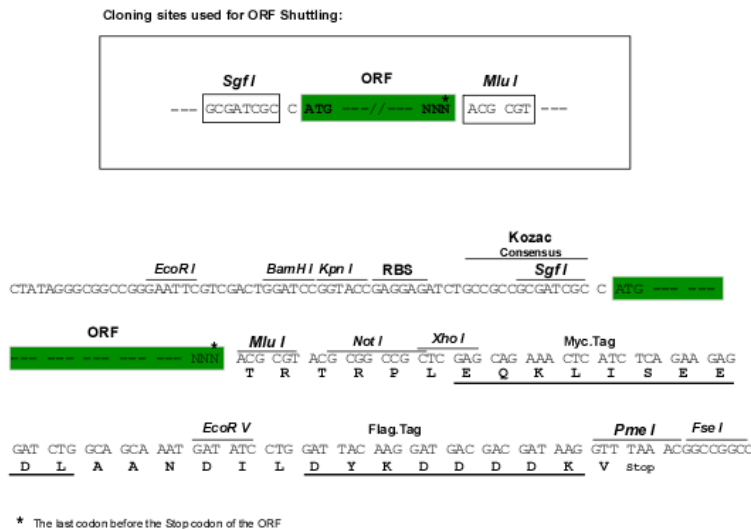
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Chromatograms: https://cdn.origene.com/chromatograms/mm9001_a04.zip

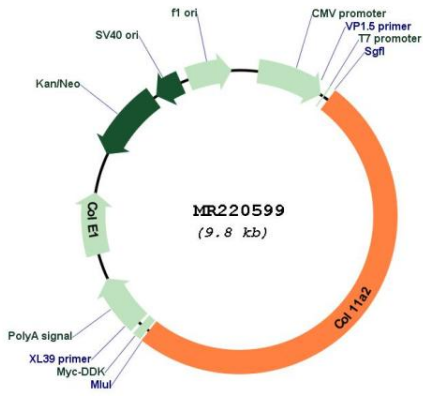
Restriction Sites: SgfI-MluI

Cloning Scheme:



| | |
|-------------------------------|---|
| ACCN: | NM_009926 |
| ORF Size: | 4950 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: | <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: | NM_009926.2 , NP_034056.1 |
| RefSeq Size: | 5605 bp |
| RefSeq ORF: | 4953 bp |
| Locus ID: | 12815 |
| UniProt ID: | Q64739 |
| Cytogenetics: | 17 17.98 cM |
| MW: | 162.5 kDa |
| Gene Summary: | This gene encodes the alpha-2 subunit of type XI collagen, one of the low abundance fibrillar collagens found in cartilage. The encoded protein, in association with other collagen subunits, forms a heterotrimeric type XI procollagen that may undergo proteolytic processing similar to the alpha-1 subunit. Mice lacking the encoded protein exhibit a mild phenotype similar to nonocular Stickler syndrome, otospondylomegaepiphyseal dysplasia (OSMED) as well as a nonsyndromic form of deafness called DFNA13. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015] |

Product images:



Circular map for MR220599