

Product datasheet for MR231976

Col12a1 (NM_001290308) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col12a1 (NM_001290308) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col12a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231976 representing NM_001290308 Red=Cloning site Blue=ORF Green=Tags(s)

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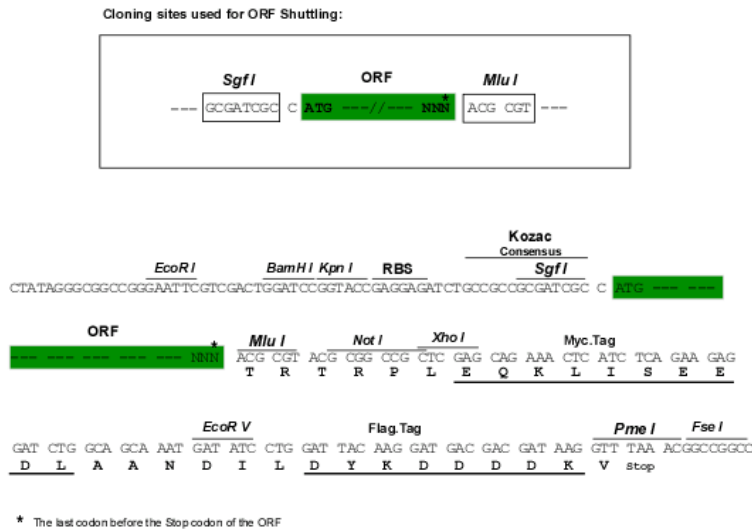
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Protein Sequence: >MR231976 representing NM_001290308
 Red=Cloning site Green=Tags(s)

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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001290308

ORF Size: 9195 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_001290308.1](#), [NP_001277237.1](#)

RefSeq Size: 11719 bp

RefSeq ORF: 9198 bp

Locus ID: 12816

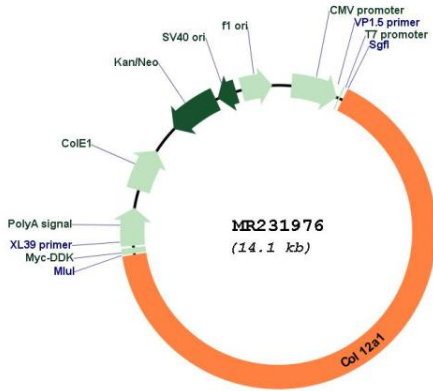
UniProt ID: [Q60847](#)

Cytogenetics: 9 43.82 cM

MW: 334.1 kDa

Gene Summary: Type XII collagen interacts with type I collagen-containing fibrils, the COL1 domain could be associated with the surface of the fibrils, and the COL2 and NC3 domains may be localized in the perifrillar matrix.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231976