

Product datasheet for **MC229765**

Col12a1 (NM_001290308) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col12a1 (NM_001290308) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col12a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229765 representing NM_001290308 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGACCAGGCTTCCCCGAGCGCTGGCCGCCCTGGGCGTGGCCCTACTCCTGTCTTCATTGAGGCAG
AAGTTGACCCACCTTCCGACTTGAATTTTAAAATTATAGATGAAAATACTGTTTCATATGTCATGGGAGAG
ACCAAGTTGATCCAATTGTGGGTTACAGAATAACAGTGGACCCTACAACAGATGGGCTACTAAAGAATTT
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CAGAAGCAACGTACCGAAGGTGATGATTCTCATCACAGATGGGAAGTCATCAGATGCTTTTCAGGGATCCT
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TGGGCAAGGCTATCCAGGTTCCGGCTAA

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001290308
Insert Size:	9198 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001290308.1</u> , <u>NP_001277237.1</u>
RefSeq Size:	11719 bp
RefSeq ORF:	9198 bp
Locus ID:	12816
UniProt ID:	<u>Q60847</u>
Cytogenetics:	9 43.82 cM
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 perifibrillar matrix.[UniProtKB/Swiss-Prot Function]