OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224882

Col24a1 (NM_027770) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col24a1 (NM_027770) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col24a1
Synonyms:	5430404K19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC224882 representing NM_027770
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATTTAGGAGCCTACAGGACAAGGCATGGAAAGGTCTCCCCCACCACAGAAACGAAACTGTTTCTTC
GCTTTATTGTACTATGTGTGGTGTGGATTTCTGTTCATGCACAGGGACAAGGCATAGATATTCTTCAGCA
ACTAGGCCTTGGAGGCAGAGATGTAAGATACACGTCATCGGTGACAGCTGTGCCGTCATCGTCATGGTCC
ACACCATTACCTCAGGGGGTCCATTTAACAGACTTTGGTGTCATCTTAACAGATAATGCCTATATTGAGT
CACCTCTCGTGAACATTTTACCCATTAGCCTAAGACAGCCACTGACAGTATTGATTGGGTTGCAATCATT
CAAAGTGAACAATGCATTTCTCTTCAGCATTCGGAATAACAACAGACTGCAGTTTGGCGTACAGCTACTA
CCTAAGAAACTAATAGTTCATGTCGGAGGAAAGCAGACAGTAACCTTCAACTACAGTGCCCATGATGAGC
GATGGCACTCATTCGCCATCACTGTTGACCACCATGTCATCTCCATGTTTGTTGAGTGTGGAAAGAGACA
TTTTAGTGGAGAGACGACTTCAGACGTTCAGACCTTTGACCCTCACAGTGTGTTTACCTTGGGAAGTATA
AATAACAGCTCTGCCCACTTTGAAGGAACAGTGTGCCAGTTGGAGATCATGCCTTCCACAGCGGCATCTG
CGGAGTATTGCAGACACCTGAAACAGCAGTGCCTCAGAGCAGACGCATCCCAAGCTCAAAGAAACCTTCC
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CACCCAACACGAGGAGGCAGCTGGCCTGCCCCTGCCTAAGAAAGCATCATCCGGCTTTGCACACACAAAT
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GAAGGAAGGTGAATTTTACCCTGATGCCACGAATCCCATCGAAGGCAGCTATGAGCCCCAGGCTTATGAT
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TATTACTCTTATGAGGATTACAACGCAGTGCTTGACATGGAGTACCTGAGAGGGCCGAAGGGAGACCCGG
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GCCTATTAGTTTCAAAGGATGGAATGGTCAGATTTTTGAAGAAAATACTCTACTTGAACCACAAGTCCTC
TCAGATGACTGCAAGATTCAGGATGGTAGCTGGCACAAGGCGAAATTCCTTTTTCACACCCAGAATCCTA

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ATCAGCTTCCTGTGACTGAAGTCCAAAACCTTCCTCACCTTGGAACTGAGCAAAAGCGCTACATTGAAAG
CAATTCCGTGTGCTTTCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_027770
Insert Size:	5202 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:	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_027770.3, NP_082046.2
RefSeq Size:	7143 bp
RefSeq ORF:	5202 bp
Locus ID:	71355
UniProt ID:	Q30D77
Cytogenetics:	3 H2
Gene Summary:	This gene encodes the alpha-1 subunit of type XXIV collagen, one of the low abundance fibril-forming collagens found in cartilage. The encoded protein has structural features of invertebrate fibrillar collagens and is expressed predominantly in bone tissue. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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