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Product datasheet for MR218418

Col6a6 (NM_172927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col6a6 (NM_172927) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col6a6
Synonyms:	E330019B14; E330026B02Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR218418 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC GCCC ATGCTGCTGGTTTTGTGCCTGACAATGATTTGTTTCCACGTGTGTGTGAACCAAGATTCTGGCCCCGAGT ACGCAGACGTGGTGTTTCTGGTGGACAGCTCCGATCACCTAGGGCTTAAGTCCTTTCCTCTTGTGAAAAC TTTCATCCACAAGATGATCAGCAGCCTCCCCATAGAGGCCAACAAGTACCGCGTGGCCCTGGCCCAGTAC AGCGATGCTCTCCACAATGAGTTCCAGCTGGGCACCTTCAAGAACAGGAACCCCATGCTGAACCACCTGA AGAAGAACTTCGGGTTCATCGGTGGCTCCCTGAAGATAGGGAACGCCCTGCAGGAGGCTCACAGGACCTA TTTCTCTGCTCCCACAAATGGAAGAGACAAGAAACAGTTCCCCCCAATCCTGGTGGTGCTGGCTTCAGCA GAGTCTGAGGATGATGTGGAAGAGGCTGCGAAGGCCCTGCGGGAAGATGGGGTGAAAATCATCTCTGTGG GGGTGCAGAAGGCTTCTGAGGAAAACCTGAAGGCGATGGCCACCTCTCAGTTCCATTTCAATCTCAGGAC TGCCAGAGACCTCAGCGTGTTTGCCCCAAACATGACAGAGATCATCAAGGATGTGACTCAGTACAGGGAA GGAATGGCAGATGACATTATTGTAGAAGCCTGCCAAGGCCCTTCTGTGGCTGATGTGGTGTTCCTGTTGG ATATGGCCATCAACGGCAGCCAGGAGGACCTAGATCATCTTAAAGCATTCCTGGGCGAAAGCATCTCTGC CCTGGACATAAAGGAAAATTGCATGAGGGTTGGCCTGGTGACCTATAGCAATGAGACAAGGGTGATCAGC TCTCTGAGCACGGGTAACAACAAGACAGAAGTCTTGCAGCGCATACAGGATCTGTCCCCTCAAGTAGGGC AGGCCTACACTGGAGCTGCCCTCAGAAAGACTAGGAAGGAAATCTTCAGTGCACAGAGGGGCAGTCGGAA GAACCAAGGGGTCCCTCAGATCGCTGTGCTGGTGACCCACAGAGCATCAGAAGACAACGTGACCAAGGCA GCTGTCAACCTCCGGCGGGAGGGAGTGACCATCTTTACCATGGGCATAGAGGGGGCTAACCCAGACGAGC TGGAGAAGATCGCATCCCACCCTGCGGAGCAGTTCACCTCCAAACTGGGCAACTTCTCTGAGCTGGCCAC CCACAACCAGACGTTCCTGAAGAAACTGCGGAACCAAATCACACACACGGTCTCTGTCTTCTCAGAACGG ACTGAGACCCTCAAATCTGCCTGTGTGGACACAGAGGAAGCCGATATCTATCTACTCATTGATGGTTCAG GGAGCACCCAGCCCACAGACTTCCATGAAATGAAGACCTTCCTGTCAGAGGTGGTAGGCATGTTCAACAT TGCTCCCCACAAGGTGCGAGTAGGGGCCGTGCAGTACGCCGACACCTGGGACTTGGAATTTGAGATCTCT AAGTATAGTAACAAGCCTGACTTGGGAAAGGCCATCGAGAATATCAGGCAGATGGGTGGGAATACCAACA

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Protein Sequence:

>MR218418 protein sequence
Red=Cloning site Green=Tags(s)

MLLVLCLTMICFHVCVNQDSGPEYADVVFLVDSSDHLGLKSFPLVKTFIHKMISSLPIEANKYRVALAQY
SDALHNEFQLGTFKNRNPMLNHLKKNFGFIGGSLKIGNALQEAHRTYFSAPTNGRDKKQFPPILVVLASA
ESEDDVEEAAKALREDGVKIISVGVQKASEENLKAMATSQFHFNLRTARDLSVFAPNMTEIIKDVTQYRE
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SLSTGNNKTEVLQRIQDLSPQVGQAYTGAALRKTRKEIFSAQRGSRKNQGVPQIAVLVTHRASEDNVTKA
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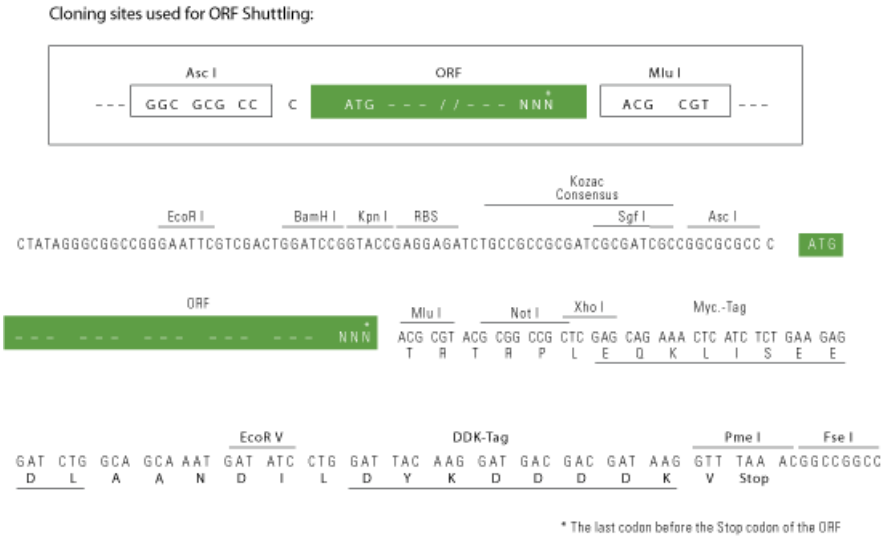
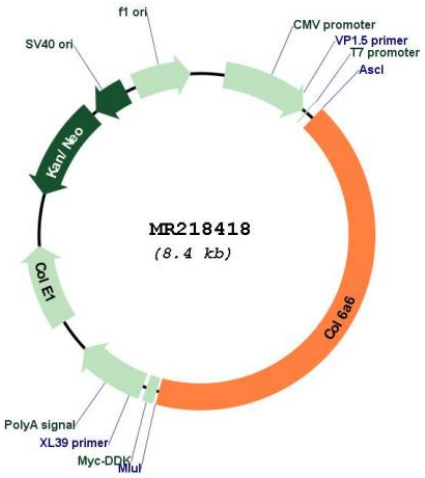
Restriction Sites: AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_172927
ORF Size:	3546 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 Size:	3954 bp
RefSeq ORF:	3549 bp
Locus ID:	245026
UniProt ID:	Q8C6K9
Cytogenetics:	9 F1
MW:	131 kDa

Gene Summary: Collagen VI acts as a cell-binding protein.[UniProtKB/Swiss-Prot Function]