

Product datasheet for **MR205986**

Col9a3 (BC030945) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col9a3 (BC030945) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col9a3
Synonyms:	AV006866
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205986 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCAGGCAAGGATGGCAAAGATGGTGTGCCGGGACTTGATGGTGAGAAGGGAGAGGCTGGTCGCAATG
GTGGCCAAAGGAGAGAAAGGCCCAATGGGCTGCCGGGGCTCCCTGGACGAGCAGGGTCCAAGGCGAGAA
GGGAGAACCGGGTAGAACTGGCGAGCTGGGTGAGGCTGGCCCTCTGGAGAGCCAGGTATCCCTGGAGAT
GTTGGTGTCCAGGGAGCGTGGTGAGGCTGGTCACAGGGGCTCCGTGGGAGCTCTTGGCCACAAGGTC
CTCCTGGTGCTCCTGGCATCCGTGGCTTTCAGGGACAAAAGGCAGCACAGGAGACCCTGGCCTTCCGGG
CCCCCAAGGCCTACGGGGAGATGTGGGTGACCGGGGTCCAGGAGGTGCCACAGGCCCTAAGGGAGACCAG
GGCATTGCAGTTCCGATGGTCTTCCAGGGGACAAAGGCAGCTGGGTCTAATGGCCCCGTTGGACAAA
AAGGAGAGTCTGGCAGCCGAGGGGAAGTGGGCCCAAGGCATCCAGGGCCCCAATGGCACCAGTGGAGT
CCAGGGGTGTACCTGGTCCCCAGGTCCACTGGGCTCCAAGGTGTGCAGGGTGTCCAGGCATCACCGGG
AAGCCTGGAGTTCGGGCAAGGAAGCCAGTGAACAGCGCATCAGGGAGCTATCGGGGGTATGATCAGTG
AGCAAATTGCACAGTTGGCTGCACACCTGAGGAAGCCCTTAGCACCAGGCTCCATCGGCAGGCCTGGTCC
AGCTGGCCCCCAGGCCCTCAGGCCCTCAGGCTCTATTGGCCACCCTGGCGCTCGGGTCCCCCTGGA
TACCGTGGTCCCACTGGGGAAGTAGGAGATCCTGGACCAAGAGGGAGCCAGGGTGACAGAGGGGACAAGG
GAGCAACAGGTGCAGGGCTGGATGGGCTGCTGGGGACCAGGGCTACCAAGGGCCTCAAGGTGTACCTGG
CATCAGCAAAGATGGTCGAGATGGTGCTCATGGTGAGCCTGGCCTTCCCGTGATCCTGGCCTTCTGGA
GCTGCTGGTGCTCAGGGTACCCAGGGATCTGCGACACTTCAGCCTGCCAAGGAGCTGTGTAGGGGGAG
GTGGGGAAAAGTCGGGTCTCGGAGCTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205986 protein sequence
Red=Cloning site Green=Tags(s)

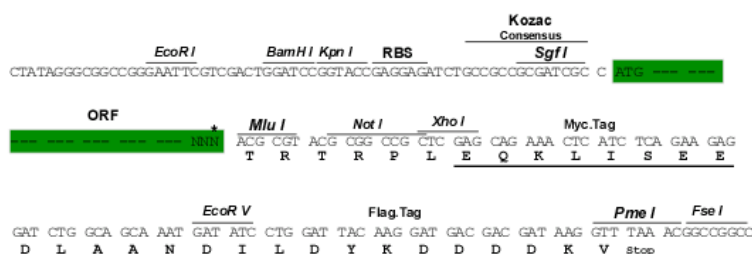
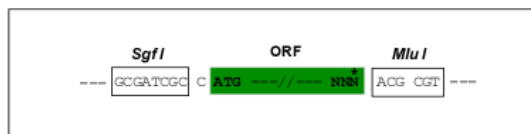
MPGKDGKDGVPGLDGEKGEAGRNGGQGEKGPNGLPGLPGRAGSKGEKGEPRGTGELGEAGPSGEPGIPGD
VGVPGERGEAGHRGSGALGPQPPGAPGIRGFQGGKSGTDPGLPGPQLRGDVGDRGPGGATGPKGDQ
GIAGSDGLPGDKGELGPNGPVGQKGESGSRGELGPKGIQPNGTSGVQGVPPGPGPLGLQGVQGVPGITG
KPGVPGEKEASEQRIRELCGGMISEQIAQLAAHLRKPLAPGSIGRPGPAGPPGPPGPGSIGHPGARPPG
YRGTGELGDPGPRSGQDRDGGKATGAGLDGAPAGDQYQGPQGVPGISKDGRDGAHGEPLPGDPGLPG
AAGATGCTPGICDTSACOGAVLGGGGEKSGPRSS

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC030945

ORF Size: 1149 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC030945](#), [AAH30945](#)

RefSeq Size: 1605 bp

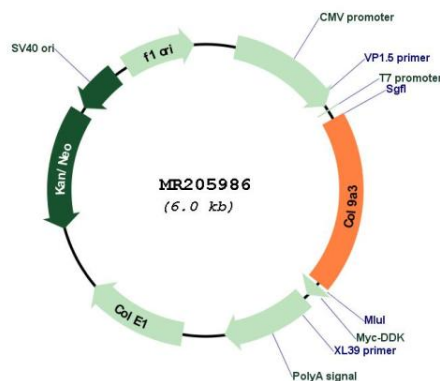
RefSeq ORF: 1151 bp

Locus ID: 12841

Cytogenetics: 2 103.14 cM

MW: 36 kDa

Product images:



Circular map for MR205986