

Product datasheet for **MG209987**

Col9a1 (BC038017) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col9a1 (BC038017) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col9a1
Synonyms:	Col9a-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG209987 representing BC038017
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTGGGCTGCCTGGGACGAGGAGTGCTTGGGCTGCTACTGATGCTGTCTGGGCTCCGCTTGTGTG
CTGCTCAAAGAGTCTCCGGGTGAGCAGGGCCCTCCAGGCCTCCTGGGCTCCTGGAGTCCGGGCAT
AGATGGCATTGATGTTGACCGAGGTCCAAAGGGTCCCCAGGACCTCCGGGTCTCCTGGAGACCCAGGC
AAGCCAGGAGCACCAGGCAAGCCAGGCACACCAGGAGCTGATGGATTAACAGGACCTGATGGATCCCTG
GCTCTGTTGGACCAAGGGGACAAAAGGAGAACCTGGTGTACCTGGGCTCGTGGATTTCCAGGCCGTGG
TATCCAGGACCCCTGGTCTCCTGGGACCACAGGACTTCTGGAGAACTTGGCCGAGTAGGCCCTATT
GGAGACCTGGGAAAAGAGGACCACCTGGCCCTCCTGGACCTCCAGGACCCAGTGAACAATTGGATTTCC
ATGATGGAGACCCATTGTGCCCAATTCCTGCCACCAGGTGCTGCTGGATATCCAGGCCTACCAGGCAT
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AGGTGCAGCTGGTGTATCAAGGACAGCGAGGCCCTCCAGGAGAAACAGGTCTGAGGGAGACAGAGGCATT
CAAGGTTCCCGAGGAATTCCTGGATCCCGAGGGCCAAAAGGAGACACGGGCTTGGCAGGTGTAGATGGCC
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GGTGTCCAGGAAAGCCCGGTGAGTTGGAAAGTTCAGGAAACCAGGCCAAAGGGCCCGGAGGAGG
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CGGGGAGCCGGTCTGAGGGGCTGAAGGAATCAGAGGGCTTCTGGAGTGAAGGACCAAGAGGACCA
CCTGGACCCCGGGCATGCAGGGAGATCAGGGTGCCTGGGCTGCCTGGTATCCAGGGCCCTCCGGCA
GAGCGCCGACCGACCAGCACATCAAGCAGGTTTGCATGAGAGTCGTGCAAGAGCATTTCGCGAAATGGC
AGCCAGCCTCAAGAGACCAGACACAGGACCTCTGGTCTTCTGGGAGGCCTGGCCCCCTGGGCTCCG
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GGCCGTGACGGAGAGCAAGGTCCCCGGGAGTGGCAGGAATTCCTGGTGTGCCTGGACCCCGAGTCTC
CAGGCCCTCCTGGGTTCTGTGAGCCAGCCTTTCACCCTGCAGTCTGGTCAAAGAGCATTTAGCAAAGG
GCCGACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209987 representing BC038017
 Red=Cloning site Green=Tags(s)

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MAWAAWGRGVLGLSLMLSGLRLLCAAQRGPPGEQGGPPGPPGVPIDGIDGDRGPKGPPGPPGPPGDPG
KPGAPGKPGTADGLTDPDGSVSGVPRGQKGEVPGSRGFPGRGIPGPPGPPGTTGLPGELGRVGP
IDPDKRGPPGPPGPPGPGSGTIGFHDGDLPCNSCPPGRSGYPLPGMRGHKGAKEIGEPGRQGHKGEEG
DQGELGEVGDQGGPPGQGLRGITGIVGDKGEKGARGFDGEPGQGIPGAAGDQGGQRGPPGETGPEGDRGI
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PGRPMQDQDGTGLPGIQGPPGRAPTDQHIKQVCMRVVQEHFAEMAASLKRPTGASGLPGRGPPGPP
GPPGENGFPGQMGIRGLPGIKGPPGALGLRGPKGDLGEKGERGPPGRGPKGLPGAIGLPGDGPASYGKN
GRDGEQGGPVAGIPGVPGPPGPPGPPGFCEPASCTLQSGQRAF SKGPDK
  
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC038017

ORF Size: 2040 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: [BC038017.1](#)

RefSeq Size: 3035 bp

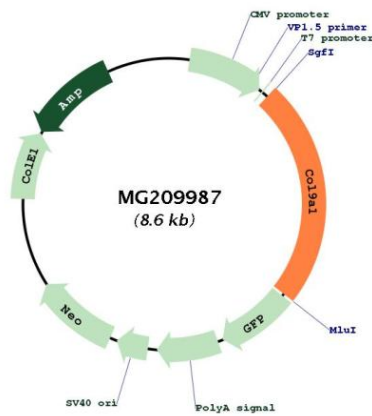
RefSeq ORF: 2042 bp

Locus ID: 12839

Cytogenetics: 1 9.95 cM

Gene Summary: Structural component of hyaline cartilage and vitreous of the eye.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209987