

## Product datasheet for **MG211656**

### Col4a6 (BC057648) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col4a6 (BC057648) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col4a6
Synonyms:	BB116301
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211656 representing BC057648 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACCCTGGATTGTGGCTGTTCTGGTTTCCTTATGCTTGACCAAGAAGTGGCAGAATCGGGACAGA  
AGATGTCCTATGGAAAGCCATGTGGGAGCCGAGATTGCCATGGAGTCTGTACATGCTTTCCTGAGAAAGG  
AGCAAGAGGGCACCTGGACCAATTGGAAGTCAAGGTCCAGCCGGTCCGGAAGGGTTTACTGGTCCAAC  
GGTTTATCAGGTTTGAAGGAGAAAGAGGCTCCCAGGCCCTCTGGGACCATATGGATCAAAGGAGATA  
AGGGTCCCATTGGAGTTCCTGGCTTTGTTGGCATCAGTGGTATTCCGGGCCACCCTGGACAGCCAGGTCC  
AAGAGGTCCACCTGGCCAGATGGCTGTAATGGAAGTCAAGGAGCTGTTGGATTTCCAGGCCCTGATGGC  
TACCCTGGGATTTTAGGACCACCTGGGCTGCCTGGTCACAAAGGTGCCAAAGGAGAGCCTGTTCTTTTC  
AAGGCAGCATTACAGGAATAAGGGGAGATCCTGGGCTGCCTGGACTAGATGGAATCCCTGGTCCATCAGG  
ATCCTCCGGCTCCTCGGAGATGCAGGACCCATAGGACCACCAGGCTTACAAGTCCCCAGGCCCTCCCC  
GGACTTCCCGTCTCTGAGGAAATATGGGGTTAGGTTTCCAAGGAGAAAAAGGAGTCAAGGGGGATGTTG  
GCCTCCCTGGCCCTGCAGGACCCTCCATCTACTGGGAACTAGAATTCATGGGATTTCCCAAAGGAAA  
GAAAGGTTCCAAGGTTGAGCCAGGGCTCCAGGTTTCCAGGAATGAGTGGCCCTCCAGGTGTCCCGGAA  
TTTGGATCTACTGGAGAAAAAGGAGAAAAAGGGATTCTTGGTTTCCAGGACCTAGGGTCCCATGGGTT  
CAGAAGGAATACAAGGCCATCCAGGGAGACAGGAAAGAAGGGGACTTCAGGTTTTCTGGGATTAACGG  
GTTCCAGGAATTAAGGTTGAAAAGGGAGACATTTGGTGTTCGAGGCCAGACAGTTTCACTGATGCAGAT  
GGCGTGTGATCTCAGGTTATCCTGGAGACCCTGGTGTGCTGGGCCTTCCAGGCCTTAGAGGAGATGAAG  
GCGTCCAAGGCCAACGTGGCCCTCTGGAACCCCTGGCCTCCCATCATTAAACAGGTCTTCCAGGTGCCCT  
AGGGCCTCAGGGATTTCTGGCCTGAAAGGAGACCAAGGAAACTCAGGACGTACCACCTTTGGAGAAGCT  
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CATTTGAGACTGGACATCTGTCCAACATAGAGCCTGGGTTCCCTGGTCTCAAGGAGAACAAGGTCCAAA  
AGGACATCAAGGCCTCAAAGGAGTAAAAGGAGACTCTGGTTTTTGTGCTTGTGAAGGTGGTCCCCAAC



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ATTGGACCACATGGGGAACCAGGTCTGCCTGGGATACAAGGTCCCATTGGTCTACAGGGTTTTAAGGGGA  
 CTAAGGAGATCCAGGCTCAAGGGGAGCATCTGGTCTGCAGGGACGCCAGGGCTATTTGGACCTAGAGG  
 TCAGACTGGCCTCAAAGGAAAGAAAGGAGAACCACTGTCAGTAGAGGATCAAAAATGTCAGGGGACAAA  
 GGTGACCTGGTCTCAGGGTACCCAGGTTTGGCAGGAACTCCGGGCAAGGATGGAAGACCAGGTTTAC  
 CAGGCCTCCCAGGCATTCAGGGAGATGGTGGTCTGGCTTCCCAGGTGAAAGAGGGTTACCAGGACTTCC  
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 AGTCCAGGGTAAATGCATCTCCCAGGATTGCCAGGGTTTCTGGAGTTCGTGGAGAGAAGGGATTGCCTG  
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 CTGGACAAACCAATACCATCAAAGGGCTCAATGGGAGGCCAGGTTCTCTGGATCTATGGGAAGGGGG  
 ATTACCTGGCCTGAAGGGTCTCTTGGATTGCAAGGTTTCCAGGAATGCCAGGGAAAAGCGGTTACACAG  
 GGGCTCACTGGGACTTCTGGCCTCCTGGGAGCAACTGGTATCCCAGGTTTAAAAGGAGATCAAGGCCAAA  
 CACTTGGCATTCTGGAAGCCCAGGACCAAGGGACAGCCTGGAGAATTAGGTTTTAAAGGTGTCAAAGG  
 AAAAGATGGACTAGTTGGTGATAGAGGCCACCCAGATTTATGCAGGGTGACAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG211656 representing BC057648  
 Red=Cloning site Green=Tags(s)

MHPGLWFLVSLCLTKELAESGQKMSYGKPCGSRDCHGVCTCFPEKGARGHPGPIGTQGPAGPEGFTGPT  
 GLSGLKGERGSPGPLPYGSKGDKGPIGVPGFVIGISGIPGHPGQPGPRGPPGPDGNGTQGAVGFPDGDG  
 YPGILGPPGLPGHKGAKGEPVFPQGSITGIRGDPGLPGLDGPSPGSSGSPGDAGPIGPPGLQGPPLP  
 GLPPEGNMGLGFQGEKGVKGDVGLPGPAGPPPSTGELEFMGFPKGGKSGKEGPPGFPGMSGPPGVPE  
 FGSTGEKGEKILGLPGRGPMGSEGIQHPGRQKKGTSGFPGINGFPGIKGEKGDIGVRGPDSTFDAD  
 GAVISGYPGDPVGLGLPGLRGDEGVQQRGSPGTPGLPSLTGLPGALGPQGFPLKGDQNGSRTTFGEA  
 GLPGRVGLPGLPGLPGSPGPPGRTFETGHLNIEPFPGLQGEQGPKGHQLKGVKGDGSGFCACEGGAPN  
 IGPHGEPGLPIQGIQGLQGFKGTGKDPGSRGASGPAATPGLFGRGQTGLKGGKGEPTVSRGSKMSGDK  
 GPDGPGQTPGLAGTPGKDRPGLPGLPIQGDGSGFPERGLPGLPGEKGDGPIGPPGILPGPPGPR  
 GLPGDKVDGLPGQQLRGAQGVTLPCIIIPGSYGPSGFPAGFPGSKGARGLPPIGPKGTHGSKGGPG  
 SPGLMHLPLPGFPGVRGEKGLPGFPELPGKDYPGKAGSPGLPGFKGAAGDIFGAENGASGEQLQLPL  
 GDKGFPDGLPGPKLNGKPGMLGPKGERGNPSTSGPPGQPGSPGSDPFGIKGTSFPGAPPLPGISG  
 HPGKKGQRDIPGPGSTGKRLPGIKLPGPQGSPLGSPGLSGVTGLPIEGQKGEKSSGVPVGFPL  
 PGLPGLPGADGLKGFSGSFGKVGQPGTGTSGEKGDRGDPGVGIISSPRPMLNLWFKGKGSRGSAGSD  
 GFPGRGDKGEPGIPGLPGPPGATGQTNTIKGLNRPSPGSMRRLPGLKGLGIAGFPMPGKSGSQ  
 GLTGTSGLLGATGIPGLKGDQQTGLGISGSPGPKGQPGELGFKGVKGDGLVDRGHPDLCRVTN

TRTRPLE - GFP Tag - V

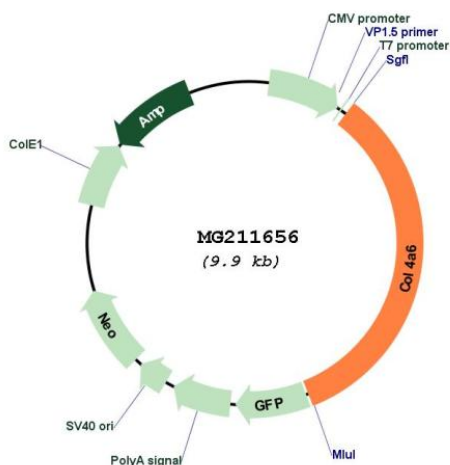
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC057648

ORF Size: 3347 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>BC057648</u> , <u>AAH57648</u>
<b>RefSeq Size:</b>	3952 bp
<b>RefSeq ORF:</b>	3347 bp
<b>Locus ID:</b>	94216
<b>Cytogenetics:</b>	X F1-F2