

Product datasheet for MR211656

Col4a6 (BC057648) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col4a6 (BC057648) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Col4a6
Synonyms:	BB116301
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211656 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCCTGGATTGTGGCTGTTCTGGTTTCCTTATGCTTGACCAAGAAGTGGCAGAATCGGGACAGA
AGATGTCCTATGGAAAGCCATGTGGGAGCCGAGATTGCCATGGAGTCTGTACATGCTTTCCTGAGAAAGG
AGCAAGAGGGCACCTGGACCAATTGGAAGTCAAGGTCCAGCCGGTCCGGAAGGGTTTACTGGTCCAAC
GGTTTATCAGGTTTGAAGGAGAAAGAGGCTCCCAGGCCCTCTGGGACCATATGGATCAAAGGAGATA
AGGGTCCCATTGGAGTTCCTGGCTTTGTTGGCATCAGTGGTATTCCGGGCCACCCTGGACAGCCAGGTCC
AAGAGGTCCACCTGGCCCAGATGGCTGTAATGGAAGTCAAGGAGCTGTTGGATTTCCAGGCCCTGATGGC
TACCCTGGGATTTTAGGACCACCTGGGCTGCCTGGTCACAAAGGTGCCAAAGGAGAGCCTGTTCTTTTC
AAGGCAGCATTACAGGAATAAGGGGAGATCCTGGGCTGCCTGGACTAGATGGAATCCCTGGTCCATCAGG
ATCCTCCGGCTCCTGGAGATGCAGGACCCATAGGACCACCAGGCTTACAAGTCCCCAGGCCCTCCCC
GGACTTCCCGTCTCCTGAGGAAATATGGGGTTAGGTTTCCAAGGAGAAAAAGGAGTCAAGGGGGATGTTG
GCCTCCCTGGCCCTGCAGGACCCTCCATCTACTGGGAACTAGAATTCATGGGATTTCCCAAAGGAAA
GAAAGGTTCCAAGGTTGAGCCAGGGCTCCAGGTTTCCAGGAATGAGTGGCCCTCCAGGTGTCCCGGAA
TTTGGATCTACTGGAGAAAAAGGAGAAAAAGGGATTCTTGGTTTCCAGGACCTAGGGTCCCATGGGTT
CAGAAGGAATACAAGGCCATCCAGGGAGACAGGAAAGAAGGGGACTTCAGGTTTTCTGGGATTAACGG
GTTCCAGGAATTAAGGTTGAAAAGGGAGACATTTGGTGTTCGAGGCCAGACAGTTTCACTGATGCAGAT
GGCGTGTGATCTCAGGTTATCCTGGAGACCCTGGTGTGCTGGGCCTTCCAGGCCTTAGAGGAGATGAAG
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AGGGCCTCAGGGATTTCTGGCCTGAAAGGAGACCAAGGAAACTCAGGACGTACCACCTTTGGAGAAGCT
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CATTTGAGACTGGACATCTGTCCAACATAGAGCCTGGGTTCCCTGGTCTCAAGGAGAACAAGTCCAAA
AGGACATCAAGGCCTCAAAGGAGTAAAAGGAGACTCTGGTTTTTGTGCTTGTGAAGGTGGTCCCCAAC



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ATTGGACCACATGGGGAACCAGGTCTGCCTGGGATACAAGGTCCCATTGGTCTACAGGGTTTTAAGGGGA
 CTAAGGAGATCCAGGCTCAAGGGGAGCATCTGGTCTGCAGGGACGCCAGGGCTATTTGGACCTAGAGG
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 AACCTGGACAGACTGGTACTTCCGGAGAAAAAGGAGACAGAGGGGATCCAGGGCCAGTTGGCATATCTAG
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 CACTTGGCATTCTGGAAGCCCAGGACCAAGGGACAGCCTGGAGAATTAGGTTTTAAAGGTGTCAAAGG
 AAAAGATGGACTAGTTGGTGTATAGAGGCCACCCAGATTTATGCAGGGTGACAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211656 protein sequence
 Red=Cloning site Green=Tags(s)

MHPGLWFLVSLCLTKELAESGQKMSYKPCGSRDCHGVCTCFPEKGARGHPGPIGTQGPAGPEGFTGPT
 GLSGLKGERGSPGLPGYGSKGDKPIGVPGFVIGISIPGHPGQPGPRGPPGPDGNGTQGAAGVFPDPDG
 YPGILGPPGLPGHKGAKGEPVFPQGSITGIRGDPGLPGLDGIPIGPSGSSGSPGDAGPIGPPGLQGPPGLP
 GLPPEGNMGLGFQGEKGVKGDVGLPGPAGPPPSTGELEFMGFPGKKGSKGEPGPPGPFMSGPPGVPE
 FGSTGEKGEKILGLPGPRGPMGSEGIQGHPRQKKGTSGFPGINGFPKIKGEKGDIGVRGPDSFTDAD
 GAVISGYPGDPGVLGLPGLRGDEGVQGRGSPGTPGLPSLTGLPGALGPQGFPLKGDQNGSRTTFGEA
 GLPGRVGLPGLPGLPGSPGPPGRTFETGHLNIEPFPGLQGEQGPKGHQLKGVKGDGSGFCACEGGAPN
 IGPHGEPGLPIQGIPLQGFKGTGKDPGSRGASGPAATPGLFGPRGQTGLKGGKGEPTVSRGSKMSGDK
 GDPGPQGTPLAGTPGKDRPGLPGLPIQGDGSGFPERGLPGLPGEKGDGPIGPPGIGLPGPPGPR
 GLPGDKVDGLPGQQGLRGAQGVTLPCIIPGSYGPSGFPAGGFPGSKGARGLPPIGPKPETHGSKGGPG
 SPGLMHLPLPGFPGVRGEKGLPGFPELPGKDGYPGKAGSPGLPGFKGAAGDIFGAENGASGEQLQLPL
 GDKGFPDGLPGPKLNGKPGMLGPKGERGNPSTSGPPGQPGPSGSTDPPFGIKGTSFPGAPGLPGISG
 HPGKKGQRGDIQPGSTGKRGLPGIKGLPGPQSGPFLGSPGLSGVTGLPGIEGQKGEKGSVPVGFPL
 PGLPGLPGADGLKGFSGSFKVGQPGQTGTSGEKDGRDPPGVISSPRPMLNLWFKGEKSGRGSAGSD
 GFPGPRGDKGEPGIPGLPGGATGQTNTIKGLNGRPGSPGSMGRRGLPGLKGLGIAGFPMPGKSGSGQ
 GLTGTSGLLGATGIPGLKGDQQTGLGISGSPGKQPGELGFKGVKGDGLVDRGHPDLCRVTN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC057648

ORF Size: 3345 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: [BC057648](#), [AAH57648](#)

RefSeq Size: 3952 bp

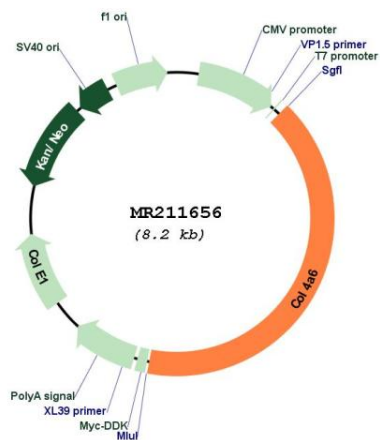
RefSeq ORF: 3347 bp

Locus ID: 94216

Cytogenetics: X F1-F2

MW: 106.5 kDa

Product images:



Circular map for MR211656