

Product datasheet for MR211522

Col16a1 (BC027766) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col16a1 (BC027766) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Col16a1
Synonyms: 2700007F12Rik; A530052M23Rik; AI838662; CA1F
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR211522 representing BC027766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTGACATCTGGGCTCCCGGCTGTGGTGTCTGGGCTCTGGGCCACCTTCAGCCATGGGACAAATA
 TAGGTGAGCGGTGCCAACTTCACAGCAAGAAGGACTCAAGCTAGAACACAGTAGTGACCCATCAACCAA
 CGTGACTGGCTTCAACCTAATTCGCCGACTGAACCTCATGAAGACATCTGCCATCAAGAAGATCCGCAAC
 CCCAAGGGGCCACTCATCTTGAGGCTGGGGCTGCCCCAGTGACCAACCAACTCGACGAGTGTTCCCTC
 GAGGCCTCCAGAGGAGTTTGCCTGGTCTGACAGTGCTTCTGAAGAAACACACCTTCCGGAACACATG
 GTACTTGTCCAAGTGACTGATGCAAAATGGGTACCCACAGATCTCCTTGGAAAGTCAACAGCCAGGAGCGG
 AGTCTAGAGCTCCGGGCACAGGGCCAAGATGGTGACTTTGTGTCTGCATCTTCCAGTGCCCCAGCTCT
 TCGATCTGCGTTGGCACAAGCTGATGCTGAGCGTGGCAGGCCGTGTGGCCTCTGTGCATGTGGACTGTG
 CTCAGTTCCTCCAGCCTCTGGGACCCCGGCAATCCATCCGGCCTGGGGACATGTATTCTGGGCTTG
 GACGCTGAGCAGGGCAAGCCGTTTCATTTGACCTTCAGCAGGCGCACATCTACTGCGACCCAGAGCTGG
 TGCTGGAGGAAGGCTGCTGTGAGATCTTACCGGAGGGTGTCCCCAGAGACCTCCAAGTACGCCGGGA
 CACCCAGAGCAATGAGCTCATTGAGATCAATCCTCAGACAGAGGGCAAGGTCTACACCCGGTGCTTCTGC
 TTAGAGGAACCTCAGAACAGCAAGGTGGATGCGCAGCTCATGGGAAGAAACATCCAGAAAGCAGAAAGGG
 GGACAAAGGTCCACAGGGGACTGGAGTTAATGAGTGCCACCCTGTGCCACAGTGCCCGGAGAGCAA
 TGTCACTTGGTCCCTCTGGCCTCAAGGGAGGGAAAAGGCGAACGAGCCTGACTGGACCATCAGGCCCC
 AAGGGAGAGAAGGGAGCACGGGGCAATGACTGTGTTTCAGTGTCTCTGATGCCCACTTCAGTGTGCAG
 AAGGCCCGAAAGGAGAGAAGGGAGAATCAGGGGACTTGGGACCCAGGACTCCCAGGACCAACAGGCCA
 GAAGGGCCAGAAAGGGGAGAAGGGTGATGGAGGCCTCAAAGGACTTCCAGGAAAGCCAGGACGAGATGGT
 CGGCCAGGAGAGATCTGTGTCATTGGACCCAAAGGGCAGAAAGGAGACCCAGGCTTTGTTGGCCTGAGG
 GACTGGCAGGAGAGCCTGGGCCACTGGCCTCCCTGGACCACCTGGGATAGGACTGCCTGGGACTCCTGG
 AGATCCAGGTGGCCACCAGGCCTAAGGGAGAAAAGGGCAGCTCTGGAATACCAGGAAAGGAAGGCCCA



[View online »](#)

GGAGGGAAGCCGGGGAAACCAGGAGTGCCAGGGACTAAGGGAGAGAAGGGTGACCCCTGTGAAGTGTGCC
 CAAAGTGCCTGAAGGTCAGAAATTTGTGGGGCTCCCTGGAAAACCAGGGCCTAAAGGGGAACCAGG
 TGATCCTGCTCCAGCCTGGGAGGGCCTAGGAACTGTGGGACTGAAAGGTGACCGGGGAGATCCAGGCATC
 CAAGGAATGAAAGGAGAGAAGGGGGAGCCCTGCTCATCTGTAGTTTACGGGGTCCGAGCCAGCATCTTG
 GGCCCTCCTGGCCATGGTTTACCTGGCCTCCGGGCACATCTGGAATCCTGGCCAAGAGGCCTGAA
 AGGGGAGAAGGGTAGTTTTGGCGATACAGGACCGGCTGGAGTCCGGGATCACCAGGACCACTGGGACCA
 GCTGGCATCAAAGGGGCAAAGGGGGAGCCCTGTGAGCCCTGCACAGTCTTGTCTGAGCTACAAGATGGGG
 ACACACGTGTGGTTCATCTGCCCGGCCAGCTGGAGAGAAGGGAGAGCCTGGGTCCCGGGCTTCGGGCT
 TCTGGGAAGCAGGGTAAAGCAGGAGAGCGTGGACTCAAGGGGCAGAAGGGGGATGCTGGGAATCCAGGA
 GACCCTGGAACACCAGGCATCACAGGGCAGCCTGGGATATCTGGAGAGCCTGGGATTCGAGGTCTGCAG
 GACCAAAGGAGAAAAGGGTGTGGATGCACTGCCTGCCCTAGCCTGCAGGGGGCGTTGACCGATGTATC
 GGGACTGCCTGGGAAACCTGGCCCAAAGGAGAGCCAGGTCCAGAAGGTGTGGGCCGTCCTGGTAAACCA
 GGCCAGCCTGGTCTACCAGGAGTTCAAGGGCCCCAGGACCGAAGGGCACTCAGGGAGAGCCTGGACCTC
 CAGGCACGGGTGCTGAGGGACCCAGGGGAGCCTGGAACCCAGGGTTTGCCTGGCACTCAGGGCCTTCC
 TGGACCTCAGGGACCACCTGGCTCAGCTGGGAAAAGGGTGGCCAGGGATCTCCGGGGCCAAAGGAGCC
 ATAGGACCATGGGACCTCCTGGTGTGGTGTCTCGGGGCTCCGGGCCAAAAGGGATCACGAGGGCAGGA
 AAGGTGAACCGGGAGAGTGTTCCTGCCCTTCTCGGGGAGAGCCATCTTCTCGGGCATGCCGGGTCCCC
 AGGTGTCCCGGACCACCAGGTCCCCCGGAATGCCTGGATTGCAGGGAGTGCCTGGACACAATGGTTTG
 CCAGGACAGCCCGGGCTCACTGCCGAGCTGGGATCCTTACCCATCAGAAAACACCTCCTCAAGAGCATCT
 GTGGTACTGTGCCAGGGCCAGACGGCTCATCCAGCCTTCTTCTGGAGAAAAGGAGAAAAGGGGGACCA
 GGGCATCCCTGGCGTGCCAGGTTTCGACAACTGTGCCAGGTGCTCATAGAGAGGGAACGCCAAGAGCT
 GAGGAGGCCAGGGGAGACAACAGTGAGGGAGAACCTGGCTGTTCTGGGAGCCCTGGCCTGCCTGGTCTC
 CAGGGATGCCAGGCCAAAGAGGAGAAGAGGGTCCACCTGGAATGAGGGGCTCTCCCGCTCCTCAGGCC
 TATTGGCCCCCAGGTTTTCTGGTGTCTTGGCTCCCGGATTGCCCGTAAGAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211522 representing BC027766
 Red=Cloning site Green=Tags(s)

MLTSWAPGLWVLGLWATFVSHGTNIGERCPTSQQEGLKLEHSSDPSTNVTGFNLIRRLNLMKTSAIKKIRN
 PKGPLILRLGAAPVTQPTRRVFRPLPEEFALVLTVLLKKHFRNTWYLFQVTDANGYPQISLEVNSQER
 SLELRAQQDQDFVSCIFPVPQLFDLRWHKMLSVAGRVASVHVDVCSASSQPLGPRQSIIRPGGHVFLGL
 DAEQKPVSFDLQQAHIYCDPELVLEEGCCEILPGGCPPETSKSRRDTSNELIEINPQTEGKVYTRCFC
 LEEPQNSKVDAQLMGRNIQKAERGTKVHQGTGVNECPPCAHSARESNVTLGPSGLKGGKGERGLTGPSGP
 KGEKGARGNDCVRVSSDAPLQCAEGPKGEKGESDGLGPPGLPGPTGQKQKGEKGDGGLKGLPGKPRDG
 RPGEICVIGPKGQKGDGPFVGEPLAGEPGPPGLPGPPGIGLPGTPGDPGPPGPKGEKGSIGPKGEP
 GKPKGKPGVPGTKGEKGDPEVCPKLPEGSQNFVGLPGKPGKGEKGDPAWEGLTGVLKGDGDPGI
 QGMKGEKGEPCSSSSGVAQHLGPSGHGLPGLPGTSGIPGPRGLKGEKGSFGDTGPAVGPSPGVPVGP
 AGIKGAKGEPCEPCTVLSLQDGDTRVVHLPGPAGEKGEKGPSPGFGLPGKQKAGERGLKQKGDAGNPG
 DPGTPGITGQPGISGEPGIRGPAGPKGEKGDGCTACPSLQGALTDVSGLPKPKGKGEKGEKGPVGRPKP
 GQPLPGVQGGPPGKGTQGEPPPGTGAEGPQGEPTGQLPGTQGLPGPQGGPSAGEKQAQGSPPKGA
 IGPMGPPGAGVSGPPGQKGSRGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEK
 PGQPLTAELGSLPIEKHLLKSIKGDCAQGTAPAFLLKGEKGDQIGVPGFDNCARCFIERERPRA
 EEARGDNSEGEPGCSGSPGLGPPGMPGQRGEEGPPGMRGSPGPPGPIGPPGPFPAVGPSPGLPVRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC027766

ORF Size: 3138 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: [BC027766.1](#)

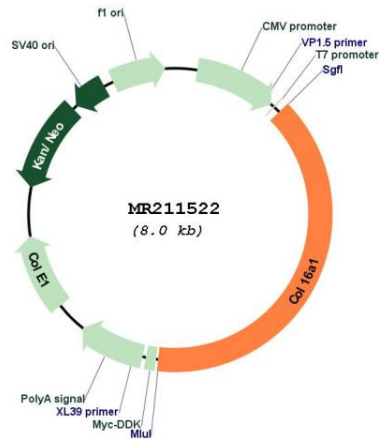
RefSeq Size: 5160 bp

RefSeq ORF: 3140 bp

Locus ID: 107581

Cytogenetics: 4 D2.2
MW: 189.2 kDa
Gene Summary: Involved in mediating cell attachment and inducing integrin-mediated cellular reactions, such as cell spreading and alterations in cell morphology.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211522