

Product datasheet for **MG211522**

Col16a1 (BC027766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col16a1 (BC027766) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col16a1
Synonyms:	2700007F12Rik; A530052M23Rik; AI838662; CA1F
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211522 representing BC027766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGACATCTGGGCTCCCGGCTGTGGTGCTCGGGCTCTGGGCCACCTTCAGCCATGGGACAAATA
TAGGTGAGCGGTGCCAACTTCACAGCAAGAAGGACTCAAGCTAGAACACAGTAGTGACCCATCAACCAA
CGTGACTGGCTTCAACCTAATTCGCCGACTGAACCTCATGAAGACATCTGCCATCAAGAAGATCCGCAAC
CCCAAGGGGCCACTCATCTTGAGGCTGGGGCTGCCCCAGTGACCAACCAACTCGACGAGTGTTCCCTC
GAGGCCTCCAGAGGAGTTTGCCTGGTCTGACAGTGCTTCTGAAGAAACACACCTTCCGGAACACATG
GTACTTGTCCAAGTGACTGATGCAAAATGGGTACCCACAGATCTCCTTGGAAAGTCAACAGCCAGGAGCGG
AGTCTAGAGCTCCGGGCACAGGGCCAAGATGGTGACTTTGTGTCTGCATCTTCCAGTGCCCCAGCTCT
TCGATCTGCGTTGGCACAAGCTGATGCTGAGCGTGGCAGGCCGTGTGGCCTCTGTGCATGTGGACTGTGT
CTCAGCTTCTCCAGCCTCTGGGACCCCGGCAATCCATCCGGCCTGGGGACATGTATTCTGGGCTTG
GACGCTGAGCAGGGCAAGCCGTTTCAATTTGACCTTCAGCAGGCGCACATCTACTGCGACCCAGAGCTGG
TGCTGGAGGAAGGCTGCTGTGAGATCTTACCGGAGGGTGTCCCCAGAGACCTCCAAGTACGCCGGGA
CACCCAGAGCAATGAGCTCATTGAGATCAATCCTCAGACAGAGGGCAAGGTCTACACCCGGTGCTTCTGC
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GGAGGGAAGCCGGGAAACCAGGAGTGCCAGGGACTAAGGGAGAGAAGGGTGACCCCTGTGAAGTGTGCC
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 TGATCCTGCTCCAGCCTGGGAGGGCCTAGGAACTGTGGGACTGAAAGGTGACCGGGGAGATCCAGGCATC
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 GAGGAGGCCAGGGGAGACAACAGTGAGGGAGAACCTGGCTGTTCTGGGAGCCCTGGCCTGCCTGGTCTC
 CAGGGATGCCAGGCCAAAGAGGAGAAGAGGGTCCACCTGGAATGAGGGGCTCTCCCGCTCCTCAGGCC
 TATTGGCCCCCAGGTTTTCTGGTGTCTTGGCTCCCGGATTGCCCGTAAGAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211522 representing BC027766
 Red=Cloning site Green=Tags(s)

MLTSWAPGLWVLGLWATFVSHGTNIGERCPTSQQEGLKLEHSSDPSTNVTGFNLIRRLNLMKTSAIKKIRN
 PKGPLILRLGAAPVTPTRRFRPRGLPEEFALVLTVLLKKHFRNTWYLFQVTDANGYPQISLEVNSQER
 SLELRQAQDQDFVSCIFPVPQLFDLRWHKMLSVAGRVASVHVDVCSASSQPLGPRQSIKIRPGHVFGLGL
 DAEQKPVSFDLQQAHIYCDPELVLEEGCCEILPGGCPPETSKSRRDTSNELIEINPQTEGKVYTRCFC
 LEEPQNSKVDAQLMGRNIQKAERGTKVHQGTGVNECPPCAHSARESNVTLGPSGLKGGKGERGLTGPSGP
 KGEKGARGNDCVRVSSDAPLQCAEGPKGEKESGDLGPPGLPGPTGQKQKGEKGDGGLKGLPGKPRDGL
 RPGEICVIGPKGQKGDVGFVPEGLAGEPGPPGLPGPPGIGLPGTPGDPGPPGPKGEKGSIGPKKEP
 GPKPGKPGVPGTKGEKGDPEVCPKLEPGSQNFVGLPGKPGKGEKGDPAWEGGLTVGLKGDGDPGI
 QGMKGEKGEPCSSSSGVAQHLGPSGHGLPGLPGTSGIPGPRGLKGEKGSFGDTGPAGVPGSPGVPVGP
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 DPGTPGITGQPGISGEPGIRGPAGPKGEKGDGCTACPSLQALTDVSLPGKPGKGEKGEKGEKGPVGRPKP
 GQPLPGVQPPGPKGTQGEPPGPTGAEQGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEK
 IGPMGPPGAGVSGPPGQKGSRGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEKGEK
 PGQPLTAEGLSLPIEKHLLKSIKGDCAQGTAFHAFLLKGEKGDQGIKGEKGEKGEKGEKGEKGEKGEK
 EEARGDNSEGEK
 GEK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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

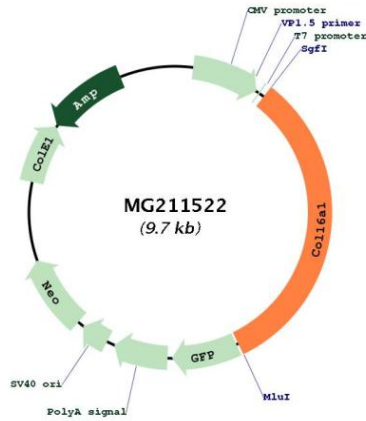
RefSeq ORF: 3140 bp

Locus ID: 107581

Cytogenetics: 4 D2.2

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 MG211522