

Product datasheet for **MG216155**

Coro2a (NM_178893) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coro2a (NM_178893) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Coro2a
Synonyms:	9030208C03Rik; AI563590; IR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216155 representing NM_178893
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATGGCACCCAGTACCGCAGCTCCAAGTTCGGTCATGTCTACGGCAAGCCGCCAGCAAAGAGA
 ACTGCTACGACTCTGTGCCATCACACGACGCTCCACGACAACCACTTCTGTGCCGTGAACCCCACTT
 CATCGCTGTGGTCACTGAATGTGCCGGCGGGCGCCTTCTTGTTCATCCCCCTGCACCAGACGGGAAAG
 TTGGACCCTCACTACCCAAAGTCTGTGGGCACAGAGGGAACGCTTGGACATCAAATGGAATCCTTTCA
 ATGACTTTGAGATTGCCTCCTGTCTGAAGATGCCACGATTAAGATCTGGAACATCCCAAGCAACTGTT
 GACAAGGAACCTCACAACCTACAGGAAGGAGCTGATCGGCCATGCTCGCAGGGTGGGGCTGGTGGAGTGG
 CACCCACAACCTGCCAACATTCTTTCAGTGTGGCTATGACTACAAGGTGATGGTGTGGAACCTGGACA
 CAAAGGATTCTGTCATTGCTGGCCAGTGAAGACAATCAACTGTCACCAAGATGTGATCCTCTCCATGTC
 CTTTAACACCAACGGCAGCCTGTGGCCACCACCTGTAAGGACCGCAAGATTCGGATTGTTGACCCCGA
 CTAGGGATTGTCTCCAGGAAGCCAGCTACAAGGGGCACCGGCCAACAAAGTACTGTTCTCTGGGGAGCC
 TCAAGAAGCTGCTATCCACGGGTACCTCCCGCTGGAACAACCGGCAGATGGCCCTGTGGGACCAGGAAAA
 CCTTTCTGTGCCCTTACAGAGGAAGACCTGGATGGCTCTTCTGGTGTGCTGTTCCCTTCTTTGACTCG
 GACACCAGCATGCTGTACATTGTGGGAAGGGAGACGGGAACATCCGCTACTATGAGGTAAGCATGGAGA
 AACCTCACCTGACCTACCTGACCAGTACCGCTCTACAACCCACAGAAGGGGATCGGTATCATGCCAAA
 GAGAGGTCTCGATGTGTCTTCTGCGAGATCTCCGCTTCTATAAACTGATCACAACAAAAGCCTCATC
 GAGCCAGTGTCCATGATTGTACCCGAAGGTGAGAATCTACCAAGAGGACATCTACCCGCCACCGCAG
 CGGCCAGCCCTCCCTGACGGCTCATGAGTGGCTCAGCGGGATGAACAGAGGGCCTATCATGATGTCCT
 TAGACCCGGCTCCGAGCTGCTGGACTCCAGACACTGCCTCCAGAGAGACCCCTCCAATTCTATGGTC
 CAAGTTTACCTCAGCCCTTAGAACCCATGAAACAGCCGCGCCGAAGACGGTGACCAGGCGCCCTTCTCTC
 TACTGGAAGAGAAGCTAGCAAAGTGGACCCAGAGCATCATCTGGGAGAGAAGTCTGCCTCACTAATGG
 CTTTGTGTTTTGAATGCTCCCAACAAAGACAGAAAATGAGCTGCTGCAGATGTTCTACCGGCAACAG
 GAGGAGATCCGGAGGCTCCGGGAGCTGTTAATCCAGAGAGAAGTCCAGACCAAGCAGCTGGAACTAGAGA
 TCAAAAACCTGCGGATGGCCTTAGGACAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216155 representing NM_178893
 Red=Cloning site Green=Tags(s)

MSWHPQYRSSKFRHVVYKPKASKENCYDSVPITRSVHDNHFCAVNPHFIAVVTECAGGGAFVLIPLHQTKG
 LDPHYPKVCGHRGNVLDIKWPNFDFEIASCEDATIKIWNIPKQLLTRNLTTYRKELIGHARRVGLVEW
 HPTTANILFSAGYDYKVMVWNLDTKDSVIAAGPVKTINCHQDVILSMSFNTNGSLLATTCKDRKIRIVDPR
 LGIVLQEASYKGRANKVFLGSLKLLSTGTSRWNRRQMALWDQENLSVPLTEEDLDGSSGVLFPFFDS
 DTSMLYIVGKGDGNIRYYEVSMEKPHLTYLTYRSYNPQKIGIMPKRGLDVSSCEIFRFYKLITTKSLI
 EPVSMIVPRRSESYQEDIYPPTAAAQPSLTAHEWL SGMNRGPIIMSLRPGSELLDSQTLPPERPLNSMV
 QVSPQPLEPMKQPAEDGDQAPFSLLEEKLAKWTAEHHLGEKSCLTNGFDVFECSPPKTENELLQMFYRQQ
 EEIRRLRELLIQREVQTKQLELEIKNLRMALGQL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_178893

ORF Size: 1629 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: [NM_178893.3](#)

RefSeq Size: 4112 bp

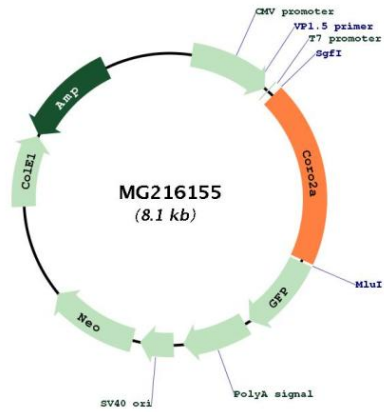
RefSeq ORF: 1632 bp

Locus ID: 107684

UniProt ID: [Q8C0P5](#)

Cytogenetics: 4 B1

Product images:



Circular map for MG216155