

Product datasheet for **MG217726**

Coro2a (NM_001164804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coro2a (NM_001164804) 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:

>MG217726 representing NM_001164804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATGGCACCCAGTACCGCAGCTCCAAGTTCGTCATGTCTACGGCAAGCCGCCAGCAAAGAGA
 ACTGCTACGACTCTGTGCCATCACACGACGCTCCACGACAACCACTTCTGTGCCGTGAACCCCACTT
 CATCGCTGTGGTCACTGAATGTGCCGGCGGGGCGCCTTCTTGTTCATCCCCCTGCACCAGACGGGAAAG
 TTGGACCCTCACTACCCCAAAGTCTGTGGGCACAGAGGGAACGCTTGGACATCAAATGGAATCCTTTCA
 ATGACTTTGAGATTGCCTCCTGTCTGAAGATGCCACGATTAAGATCTGGAACATCCCAAGCAACTGTT
 GACAAGGAACCTCACAACCTACAGGAAGGAGCTGATCGGCCATGCTCGCAGGGTGGGGCTGGTGGAGTGG
 CACCCACAACCTGCCAACATTCTTTCAGTGTGGCTATGACTACAAGGTGATGGTGTGGAACCTGGACA
 CAAAGGATTCTGTCATTGCTGGCCAGTGAAGACAATCAACTGTCACCAAGATGTGATCCTCTCCATGTC
 CTTTAACACCAACGGCAGCTGCTGGCCACCACCTGTAAGGACCGCAAGATTCGGATTGTTGACCCCGA
 CTAGGGATTGTCTCCAGGAAGCCAGCTACAAGGGGCACCGCCCAACAAGTACTGTTCTCTGGGGAGCC
 TCAAGAAGCTGCTATCCACGGGTACCTCCCGCTGGAACAACCGGCAGATGGCCCTGTGGGACCAGGAAAA
 CCTTTCTGTGCCCTTACAGAGGAAGACCTGGATGGCTCTTCTGGTGTGCTGTTCCCTTCTTTGACTCG
 GACACCAGCATGCTGTACATTGTGGGAAGGGAGACGGGAACATCCGCTACTATGAGGTAAGCATGGAGA
 AACCTCACCTGACCTACCTGACCAGTACCGCTCTACAACCCACAGAAGGGGATCGGTATCATGCCAAA
 GAGAGGTCTCGATGTGTCTTCTGCGAGATCTCCGCTTCTATAAACTGATCACAACCAAAAGCCTCATC
 GAGCCAGTGTCCATGATTGTACCCGAAGTGCAGATCTACCAAGAGGACATCTACCCGCCACCGCAG
 CGGCCACGCCCTCCCTGACGGCTCATGAGTGGCTCAGCGGGATGAACAGAGGGCCTATCATGATGTCCT
 TAGACCCGGCTCCGAGCTGCTGGACTCCAGACACTGCCTCCAGAGAGACCCCTCTCAATTCTATGGTC
 CAAGTTTCACCTCAGCCCTTAGAACCCATGAAACAGCCGCGCCGAAGACGGTGACCAGGCGCCTTCTCTC
 TACTGGAAGAGAAGCTAGCAAAGTGGACCCAGAGCATCATCTGGGAGAGAAGTCTGCCTCACTAATGG
 CTTTGTGTTTTCGAATGCTCCCAACAAAGACAGAAAATGAGCTGCTGCAGATGTTCTACCGGCAACAG
 GAGGAGATCCGGAGGCTCCGGGAGCTGTTAATCCAGAGAGAAGTCCAGACCAAGCAGCTGGAAGTAGAGA
 TCAAAAACCTGCGGATGGCCTTAGGACAGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217726 representing NM_001164804
 Red=Cloning site Green=Tags(s)

MSWHPQYRSSKFRHVGKPAKENCYDSVPITRSVHDNHFCAVNPHFIAVVTECAGGGAFLVIPLHQTGK
 LDPHYPKVCGHRGNVLDIKWPNFDFEIASCEDATIKIWNIPKQLLTRNLTTYRKELIGHARRVGLVEW
 HPTTANILFSAGYDYKVMVWNLDTKDSVIAAGPVKTINCHQDVILSMSFNTNGSLLATTCKDRKIRIVDPR
 LGIVLQEASYKGRANKVFLGSLKLLSTGTSRWNRRQMALWDQENLSVPLTEEDLDGSSGVLFPFFDS
 DTSMLYIVGKGDGNIRYYEVSMEKPHLTYLTYRSYNPQKIGIMPKRGLDVSSCEIFRFYKLIITKSLI
 EPVSMIVPRRSESYQEDIYPPTAAAQPSLTAHEWL SGMNRGPIIMSLRPGSELLDSQTLPPERPLNSMV
 QVSPQPLEPMKQPAEDGDQAPFSLLEEKLAKWTAEHHLGEKSCLTNGFDVFECSPPKTENELLQMFYRQQ
 EEIRRLRELLIQREVQTKQLELEIKNLRMALGQL

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1235_h03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001164804

ORF Size: 1572 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_001164804.1](#), [NP_001158276.1](#)

RefSeq Size: 3887 bp

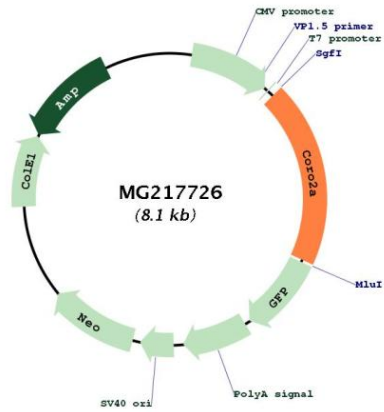
RefSeq ORF: 1575 bp

Locus ID: 107684

UniProt ID: [Q8C0P5](#)

Cytogenetics: 4 B1

Product images:



Circular map for MG217726