

Product datasheet for **RR204645**

Coro2a (NM_001012101) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coro2a (NM_001012101) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coro2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204645 representing NM_001012101
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGAATGGCAACAGCAAACCTCCGGCCAGCCACCTCTGCTCAAACCAAATCAGATGTCATGGCACC
 CCCAGTACCGCAGCTCCAAGTCCGACACGTCTACGGCAAGCCTGCCAGCAAGGAGAATTGCTACGACTC
 TGTGCCCATCACACGCAGCGTCCACGACAACACTTCTGTGCTGTGAACCCCACTTCATCGCTGTGGTC
 ACTGAATGTGCCGGTGGGGGCGCCTTCTTGTGCTATCCCCTTGACCAGACGGGAAAGTTGGACCCTCACT
 ACCCAAGGTCTGTGGGCACAGAGGGAACGTCTTGGACATCAAGTGAATCCTTTTCGATGACTTTGAGAT
 TGCCTCTGTTTCAAGATGCCACGATTAAGATCTGGAACATCCCAAGCAGCTGCTGACCAGGAACCTC
 ACAACCTACAGGAAGGAGTTGATGGGTACGCACGACGGTGGGGCTGGTGGAGTGGACCCCAACTG
 CCAACATCTCTTCAGTCTGGCTATGATTACAAGGTGATGGTGTGGAACCTGGACACAAAGGACTCTGT
 AATTTCTGGGCCGTGAGGACAATCAACTGTCACCAAGATGTGATCCTCTCCATGCTCTCAACACCAAC
 GGACGCTGCTGGCCACCACCTGTAAGGACCGCAAGATTCGGATTGTTGACCCCGACTAGGGATTGTCC
 TCCAGGAAGCCAGCTACAAGGGGCATCGGGCAACAAAGTACTGTTCTGGGGAACCTCAAGAAGCTGCT
 ATCCACGGGTACGTCCCCTGGAACAACCGGCAGATGGCCCTGTGGGACCAGGACAACCTTTCTGTGCC
 CTCACAGAGGAGGATTTGGATGGCTCCTCTGGTGTGCTATTTCCCTTCTTCGACTCGGACACCAGCATGC
 TGTACATTTGTGGGAAGGGAGACGGGAACATCCGCTACTATGAGGTGAGCACTGAGAAGCCTCACCTGAC
 CTACCTGACTGAGTACCGCTCCTACAACCCACAGAAGGGGATCGGTATCATGCCAAAGAGAGGTCTCGAT
 GTGCTTCTCCTGCGAGATCTTCCGCTTCTACAACTGATCACAACCAAAAGCCTCATCGAGCCGGTGTCCA
 TGATTGTACCCCGGAGGTCAGAATCCTACCAAGAGGACATCTACCCACCCAGCAGCTGCCCGGCTCC
 CCTGACGGCCACGAGTGGCTCAGCGGAATGAACAGAGGGCCTATCATGATGTCCCTTAGACCCGGCTCC
 GAGCTGCTGGATCCTCAGGCACTGCCTCCGGAGAGACTCCTCTCAATTCTGTGGTCCAAGTTTACCTC
 AGCCCTTAGAACCCGTGAAACAGCCGGCCGAAGATGGTGACCAGGCACCTTCTCTCTATTGGAAGAGAA
 GGTAAACGAAGTGGACCACGGAGCATCAGCTGGAGGAGAAGTCTGGCTCACCAACGGCTTTGACATTTTC
 GAATGCCCGCCACCAAGACAGAAAATGAGCTGCTGCAGATGTTTTACCGCAACAGGAGGAGATCCGGA
 GGCTCCGGGAGCTGTTAATCCAGAGAGAGGTCCAGACCAAGCAGCTGGAAGTGGAGATCAAAAACCTGCG
 GATGGTCTTAGGACAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204645 representing NM_001012101
 Red=Cloning site Green=Tags(s)

MWNGNSKLRPSPPLLKPNQMSWHPQYRSSKFRHVVYKPKASKENCYDSVPITRSVHDNHFCVNPHFIAVV
 TECAGGGAFLVIPLHQTGKLDPHYKVCVGHGRLVLDIKWNPFDDEIASCSEDATIKIWNIPKQLLRNL
 TTYRKELMGHARRVGLVEWHPTTANILFSAGYDYKVMVWNLDTKDSVISGPVVRTINCHQDVLMSFNTN
 GSLLATTCCKDRKIRIVDPRLGIVLQEAQYKGRANKVFLGNLKKLLSTGTSRWNNRQMALWDQDNLVSP
 LTEEDLDGSSGVLFPFFSDTSMLYIVGKGDGNIYYEVSTEKPHLTYL TEYRSYNPQKIGIMPGRGLD
 VSSCEIFRFYKLITTKSLIEPVSMIVPRRESYQEDIYPPTAAAQPSLTAHEWLSGMNRGPIIMSLRPGS
 ELLDPQALPPERLLSNSVVQVSPQLEPVKQPAEDGDQAPFSLLEEKVTKWTTHEQLEEKSWLTNGFDIF
 ECPPPKTENELLQMFYRQEEIRRLRELLIQREVQTKQLELEIKNLRMVLGQF

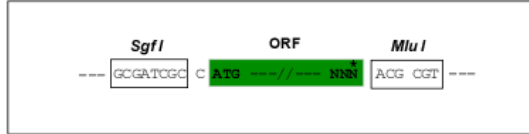
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

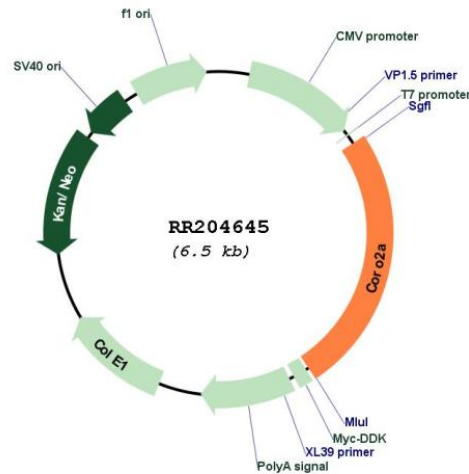
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001012101

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_001012101.2](#), [NP_001012101.2](#)

RefSeq Size: 2072 bp

RefSeq ORF: 1632 bp

Locus ID: 313235

Cytogenetics: 5q22

MW: 62 kDa