

Product datasheet for **MR207591**

Coro1c (NM_011779) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coro1c (NM_011779) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coro1c
Synonyms:	AL022675; AW455561; AW548837
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207591 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCGGAGTGGTGCAGCAGCAAGTCCGCCACGTCTTTGGACAGGCGGTGAAGAATGACCAGTGTCT
 ATGACGACATCCGTGTCTCCCGAGTCACCTGGGACAGTTCTTTTGTGCGGTCAACCCAGATTCGTGGC
 CATCATCATAGAAGCGAGTGGGGAGGGCCCTTCTGGTGTCTCCCTCTGCACAAGACGGGACGAATTGAC
 AAATCCTACCCTACAGTGTGTGGCCACACAGGACCAGTGTGGACATAGACTGGTGTCCACATAATGACC
 AGGTCAATGCCAGCGGCTCAGAGGACTGCACTGTTATGGTTTGGCAGATCCCGGAAAATGGACTCACCTT
 TTCCTGACCGAGCCTGTGGTATTCTAGAAGGGCACTCAAAAAGAGTTGGCATCGTGGCCTGGCACCCG
 ACGGCCCGCAATGTGCTTCTCAGTGCAGGCTGTGATAATGCCATTATCATCTGGAACGTGGGACAGGGG
 AAGCCCTCATCAACTGGACGATATGCATTAGACATGATTTACAATGTGAGCTGGAGCCGTAACGGTAG
 TCTCATCTGCACCGCATCAAAGACAAGAAAGTGAGAGTATTGACCCAGGAAACAGGAGATTGTGGCG
 GAGAAGGAGAAAACACACGAAGGAGCCAGGCCTATGCGTGCCATCTTCTGGCGGACGGCAACGTCTTCA
 CTACTGGCTTTAGCCGCATGAGCGAGCGGAGTTGGCGCTCTGGAACCCAAAAACATGCAGGAACCAAT
 TGCTCTCCATGAAATGGACACTAGCAATGGGGTGTGCTCCCTTCTACGATCCGGACACCAGCATCATC
 TACTTATGTGGGAAGGGTGACAGCAGTATCCGCTATTTTGGATCACGGATGAATCCCCATATGTCCACT
 ACCTCAACACATTCAGCAGCAAGGAGCCTCAGCGAGGGATGGGCTACATGCCAAGCGGGGCCCTTGACGT
 CAACAAGTGTGAAATGCCAGATTCTTCAAGCTTCATGAGAGAAAGTGGAGCCATTATCATGACGGTC
 CCCAGGAAGTCTGACCTTCTCAAGACGACCTGTACCTGACACGGCAGGGCCGGAAGCCGCCCTTGAGG
 CCGAGGAGTGGTTTGGGGGAAGAACGACGACCCCATCCTCATATCGTTGAGCAGCGGTACATCCAGG
 CAAGAACAGGGACCTCAAGGTGGTCAAGAAGAACATCCTGGACAGCAAGCCGGCTGCAAAACAAGAAGAGC
 GAGCTCAGCTGTGCCCAAGAAGCCACAGACACGGCCAGTGTGCAAAACGAAGCAAGTTGGATGAGA
 TTCTGAAAGAGATCAAATCCATAAAGGAAACAATCTGCAGTCAAGACGAGCGCATTTCCAAGTTGGAGCA
 GCAGCTGGCGAAGATGGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207591 protein sequence
 Red=Cloning site Green=Tags(s)

MRRVVRQSKFRHVFQAVKNDQCYDDIRVSRVTWSSFCVAVNPRFVAIIIEASGGGAFLVPLHKTGRID
 KSYPTVCGHTGPVLDIDWCPHNDQVIASGSEDCVMVWQIPENGLTSLTEPVVILEGHSKRVGIVAWHP
 TARNVLLSAGCDNAIIWNVGTGEALINLDDMHSDMIYNVSWRNGSLICTASKDKKVRVIDPRKQEIVA
 EKEKAHEGARPMAIFLADGNVFTTGFSRMSERQLALWNPKNMQEPIALHEMDTSNGVLLPFYDPDTSII
 YLCGKGDSSIRYFEITDESPYVHYLNTFSSKEPQRGMGYMPKRGLDVNKCEIARFFKLHERKCEPIIMTV
 PRKSDLFQDDLYPDAGPEAALEAEWFEGKNADPILISLKHGYIPGKNRDLKVVKNILDSKPAANKKS
 ELSCAPKPTDASVQNEAKLDEILKEIKSIKETICSQDERISKLEQQLAKMAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011779

ORF Size: 1425 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_011779.1](#), [NM_011779.2](#), [NM_011779.3](#), [NP_035909.2](#)

RefSeq Size: 3436 bp

RefSeq ORF: 1425 bp

Locus ID: 23790

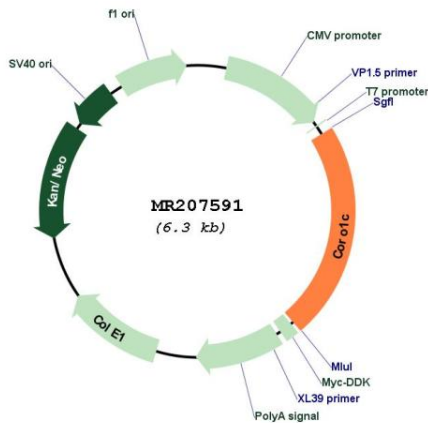
UniProt ID: [Q9WUM4](#)

Cytogenetics: 5 F

MW: 53.1 kDa

Gene Summary: Plays a role in directed cell migration by regulating the activation and subcellular location of RAC1 (PubMed:25074804, PubMed:25925950). Increases the presence of activated RAC1 at the leading edge of migrating cells (PubMed:25074804, PubMed:25925950). Required for normal organization of the cytoskeleton, including the actin cytoskeleton, microtubules and the vimentin intermediate filaments (PubMed:27178841). Required for normal cell proliferation, cell migration, and normal formation of lamellipodia (PubMed:27178841). Plays a role in endoplasmic reticulum-associated endosome fission: localizes to endosome membrane tubules and promotes recruitment of TMCC1, leading to recruitment of the endoplasmic reticulum to endosome tubules for fission. Endosome membrane fission of early and late endosomes is essential to separate regions destined for lysosomal degradation from carriers to be recycled to the plasma membrane (By similarity). Required for normal distribution of mitochondria within cells (PubMed:27178841).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207591