

Product datasheet for **MC202869**

Coro1c (NM_011779) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coro1c (NM_011779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Coro1c
Synonyms:	AL022675; AW455561; AW548837
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC019444 sequence for NM_011779
AGCGGTTGGAGGCTTCGCGGGCTTTGCAGCAGGGACTTCGCGGCGCCTCAGGCACCCGGGCTCTGACA
CGATGCGGCGAGTGGTGCGGCAGAGCAAGTTCGCCACGCTTTTGGACAGGCGGTGAAGAATGACCAGTG
CTATGACGACATCCGTGTCTCCCGAGTCACTGGGACAGTTTCTTTTGTGCCGTAACCCAGATTCTGTG
GCCATCATATAGAAGCGAGTGGGGGAGGGCCTTCTGGTGTCCCTCTGCACAAGACGGGACGAATTG
ACAAATCTACCCTACAGTGTGTGGCCACACAGGACCAGTGTGGACATAGACTGGTGTCCACATAATGA
CCAGGTCATTGCCAGCGCTCAGAGGACTGCACCTGTTATGGTTTGGCAGATCCCGGAAAAATGGACTCACC
CTTTCCCTGACCGAGCCTGTGGTATTCTAGAAGGGCACTCAAAAAGAGTTGGCATCGTGGCCTGGCACC
CGACGGCCCGCAATGTGCTTCTCAGTGCAGGCTGTGATAATGCCATTATCATCTGGAACGTGGGGACAGG
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GCCGCTGGCTCCGAAGCTTCCGGGCTCTGAGTCTGTAGGTTCTGTGTCTGTCTTGTGGTTAATGT
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GGTGGCCTCTGTTTCCCTGTGGCACCGGAGGAAGACAGTGAAGTCTCTACACCACTCTTATAGAGTG
GCCATAGTGTCTGCAAAACACTCGCTTCCGTTTTAGAGATAAAAGGCATTGATGCAAAAAAAAAAAAAA AAAA
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Restriction Sites:

RsrII-NotI

ACCN:	NM_011779
Insert Size:	1425 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	BC019444 , AAH19444
RefSeq Size:	3434 bp
RefSeq ORF:	1425 bp
Locus ID:	23790
UniProt ID:	Q9WUM4
Cytogenetics:	5 F
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]