

Product datasheet for MC229753

Cic (NM_001302811) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cic (NM_001302811) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cic
Synonyms: 1200010B10Rik; mKIAA0306
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229753 representing NM_001302811
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGCCAATGAAGAAGGCATGCCCTGGCCTTGACAGTTCCGCCAGTGGCAGCAAGTCCCACCAGCTA
 CCAGGGCCAAGGCTTTGAGACGGCGAGGGGCCGGGAGGGTGACAAGCCAGAGGAGGAGGAGGCACA
 GCCACAGGAGCAGGCAGGGCCAGAAGAGGCTGAAGAGGGTGAGGAAGAGGAGGCTGAGCGGGACCCTGGA
 GCTGAGGGAACACATCCAGAGCTGCAGCCCAATGATCCTACTCCAGGCCTAACTGAGGACCTAAGGGGG
 ATGGGGAGGCAGGCCGCTGGGAGCCCTCACTCAGTCGCAAGACAGCCACATTCAAGTCTCGGGCCCCGAA
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 CCTGCTGTTGAGTTTATTGCCAGGGAGCCCCAGGCAAGTGAACCCCTGCAGGCTCAGGAGCAAGTACTG
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CACACAGGTGCAGTACATCCTGCCACACTGCCCCAGCAGCTTCAAGTGGCACCTGCCCCAGCACCAGCC
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 CAGCTGCTGCCTGGGAAGGTGCTAGTCCCCCTGGCTGCCCTAGCATGTCAGTTCGAGGTGGAGGGGCTG
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 GATTATCCAGCTGACTCCTGTGCCTGTGAGCACACCTAGTGGCTGGTACCACCCTGAGCCCAGCTACA
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 TTCAGCACCCCTGGGCCACCTCCCAAGCTCCGCAAGCCTGGTCTACACTGTAGCCACCAGTACCACT
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 AACTTGAGGGGCAGCCACACCCCCAGCTCCCCACCCCCACAGAGACCTGGCCTCCCCTGCCCCGGAG
 CAGTCCCCACCCCTTGCCTGCTGAGGAGCGACCTGGCACTAAAGGCCTGAGACTGCCAGCAAATTC
 CCCAGCTCATCTTCAGACTGGCGAGTTCCTGGGCTGGGCTGGAGAGTGTGGGGAGCCTCTACCCCTC
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 AGCTGGGGACACCCCGAGCGCAAGGAAGTCACTAGTTCTGGCAAGAAGATGAAGGTGCGGCCCCACCC
 CTGAAGAAGACCTTTGACTCTGTGGACAAGGTCTGTGAGAAGTGGACTTTGAAGAGCGGTTTGTGAGC
 TGCCGGAGTTTAGACCAGAGGAGGTGCTGCCCTACCCACCCTGCAGTCTCTGGCCACCTCGCCTCGGGC
 TATCCTCGGCTCCTACCGAAAGAAGAGGAAGAATTCCACGGACCTAGACTCAGCACCTGAAGATCCCACC
 TCACCCAAGCGAAGATGAGGAGACGTTTCGAGCTGCAGCTCAGAGCCCAACACCCCAAGAGTGCCAAGT
 GCGAGGGGGACATCTTACCTTTGACCGCACAGGTACTGAGACAGAGGATGTGCTCGGGGAGCTGGAGTA
 TGAGAAGGTGCCCTACTCATCACTGCGGCGCACCTGGACCAACGGCGGGCCCTGGTTCATGCAGCTTTC
 CAGGACCATGGCTTCTCCCATCAGCCCAGGCCACAGCAGCCTTCCAGGCCCGCTACGCAGACATCTTCC
 CATCAAGGTGTGTGCAATTAAGATCCGAGAGGTCCGCCAGAAGATCATGCAGGCAGCCACTCCCAC
 AGAGCAGCCCCCTGGGGCTGAAGCCCCCTCCCTGGACCACCCCTACTGGCATGGCTGCTACTCCTGTC
 CCCACTCCAGCCCTGCTGGGGGCCCTGACCCACCTCTCCAGGCTCGGACTCTGGCACTGCCAAGTTG
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 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites: Sgfl-Mlul
- ACCN: NM_001302811
- Insert Size: 7533 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).
- OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001302811.1, NP_001289740.1</u>
RefSeq Size:	8244 bp
RefSeq ORF:	7533 bp
Locus ID:	71722
UniProt ID:	<u>Q924A2</u>
Cytogenetics:	7 A3
Gene Summary:	<p>Transcriptional repressor which plays a role in development of the central nervous system (CNS) (PubMed:17190598). In concert with ATXN1 and ATXN1L, involved in brain development (PubMed:28288114).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, uses an alternate promoter, an alternate start codon, and has multiple differences in the coding region compared to variant 1. It encodes isoform CIC-L (PMID: 17190598), which has a distinct N-terminus and is longer than isoform CIC-S.</p>