

Product datasheet for MR226125

Cic (NM_027882) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cic (NM_027882) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cic
Synonyms:	1200010B10Rik; mKIAA0306
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226125 representing NM_027882 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACTCGGCCACAGGCCCTGATACCCGCGTCTGGCGGGCCTCTCGTGGCCTCGGCATGTTCTGTG
GGACAAATGTGGAACCTCGTTCTGTGGCTGTGTTCCCTGGCACTCCTTAGTCCCCTTCTGGCACCCAG
CCAGCCGACCCCTCTGTGCAGCCTAGTGAGGCCAGCAACCTGCCAGCCACCCTGTGGCCTCAACCAG
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CTGGACGGCCCTGGAGCAGTGTGCCCTGAGAGCCAGGGCCTGGACCTCCACTTACTTTGGGTGGTGT
GGATCCTGGTAAAAGTCTCCCCCACCCTGAGGAGGAGGCTCCTGGCCCTCCAGGAGAGCCCCGGCTG
GACAGTGAGACCGAGAGTGATCATGATGATGCCTTCTCTCCATCATGTCTCTGAGATTCAATTGCCTC
TGCCACCTGAAAAGCGCCGACCCAGTCTCTGAGTGCCTTGCCCAAGGAACGAGACTCATCTTCTGAAAA
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GCCAAGCCTGCGAGCCTGGGTCTGGCAGGAGGGCACAAGGAGACCGGGAAACGGAGCATGTCCGAGACGG
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CACCAAGTTCCAGGGAGTGGCCCTGTGGAGCAGAACGGCTACACGAGTTGGGGCACCTGGCTCAGCC
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GGCCGTAAGGTGTTCTCACCTGTACATCCGCTCCTCCTTTACCCATTGCCGTCCAACCCTGGACCCTGAGC
 CTCCAGGGCCCCGGATCCACCTGCAGCCTTCAGCAAAGGCTACGGTCCCACCCCATCATCTCCTCTTC
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ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR226125 representing NM_027882
 Red=Cloning site Green=Tags(s)

MYSahrPLIPASGAASRGLGMFVWTVNVEPRSVAVFPWHS LVPFLAPSQDPSPVQPSAQQPASHVVASNQ
 SKPEAESAAVAHEQPPGGTGGADPGRPPGAVCPESP GPGPPLTLGGVDPGKSLPPTTEEEAPGPPGEPRL
 DSETESDHDDAFLSIMSPEIQLPLPPGKRRTQSL SALPKERDSSSEKDG RSPNKREKDHIRRPMNAFMIF
 SKRHRALVHQ RHPNQDNRTVSKILGEWYALGPKEKQKYHDLAFQVKEAHFKAHPDWKWCNKDRKKSSSE
 AKPASLGLAGGHKETRERSMSETGTAAAPGVSS ELLSVAAQTL LSSDTKVP GSGP CGAERLH AVGAPGSA
 RPRAFSHSGVHSLDGGEVDSQALQELTQMVSGPAS YSGPKPSPQY GAGSFAAPGEGGTLATSGRPPLLP
 SRASRSQRAASEDMTSDEERMVICEEEGDDVDIAD DSFGTTDIDLKCKERVTDSESGDSSGEDPEGNKGF
 GRKVFSPVIRSSFTHCRPTLDPEPPGPPDPPAAF SKGYGPTPSSSSSPASTSVSVSTSFSLGSGTFTKQE
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 IAGARTEMGTGSRVPGGSPMGVSLVYSDKKSAAA ATSPAPHLVAGPLLGTVGKAPATVTNLLVGTPTYGA
 PASPAVQFIAQGAPGSATPAGSGASTGSGPNGP VPLGILQPGALGKAGGITQVQYILPTLPQQLQVAPAP
 APAPGTKAAAAPSGPAPTTIRFLTLPPTSTNGK VLAATAPTAGIPILQSVSPAPPKAQSVSPVQATPSG
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 TTGRPGSTPRQSSDSGVAREPAAPESELEGOPT PAPPPTETWPPTARSSPPPLPAEERP GTKGPETA
 SKFPSSSSDWRVPGLGLESRGEPPTPPSPAPAT GPGSSSSGSSEGS SGRAAGDTPERKEVTSSGKKMKVR
 PPPLKKT FDSVDNRVLSEVDFEERFAELPEFRPEE VLPSP TQLSLATSPRAILGSYRKKRKNSTDLDSAP
 EDPTSPKRKMRRSSCSSEPNTPKSAKCEGDIFF DRTGTETEDVLGELEYEKVPYSSLRRTL DQRRALV
 MQLFQDHGFFPSAQATAAFQARYADIFPSKVCL QLKIREVRQKIMQAATPTEQPPGAEAPLPGPPPTGMA
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3008_c01.zip

Restriction Sites: SgfI-MluI

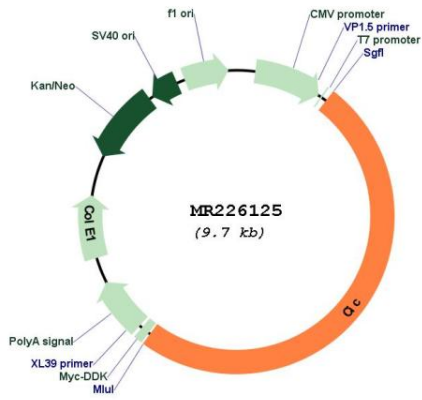
Cloning Scheme:



ACCN: NM_027882

ORF Size:	4815 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<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:	NM_027882.4
RefSeq Size:	6104 bp
RefSeq ORF:	4815 bp
Locus ID:	71722
UniProt ID:	Q924A2
Cytogenetics:	7 A3
MW:	163.8 kDa
Gene Summary:	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]

Product images:



Circular map for MR226125