

Product datasheet for **MR206937**

Crtac1 (BC024472) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crtac1 (BC024472) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crtac1
Synonyms:	2810454P21Rik; AW047536; Crtac1B; Lotus
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206937 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCCTGAGGCCAGTGACCTGTCCCGGGGATCCTGGCACTCAGGGACGTGGCGCTGAGGCTGGG
 TCAGCAAGTACACAGCGGCCGGGTGTACGCGTAGGCCCATTCAGCAGCAGTGCCTCAGATATCTT
 CTGTGACAACGAGAACGGGCCAACTTCTCTTCCACAACCAAGGCAACGGTACCTTTGTGGATACTGCC
 GCCAGTGCCGGCTAGACGACCCTCATCAGCATGGCCGAGGTGTGGCCCTGGCAGATTTCAACCGTGACG
 GCAAAGTAGACATCGTCTATGGCAACTGGAACGGCCACATCGCCTCTATCTACAGATGAGTGCTCACGG
 GAAGGTCCGGTTTCGGGACATTGCTTCGCCAAGTTCTCCAGCCCTCCCTGTCCGGACTGTCATTGCT
 GCCGACTTTGACAATGACCAGGAAGTGAAGTCTTCTTCAACAACATTGCCTACAGAAGCTCCTCAGCCA
 ATCGCCTCTTCCGTGTCATCCGAGGGAGCACGGGGACCCTCTCATCGAGGAGCTCAATCCTGGTGACGC
 CCTAGAGCCTGAGGGCCGGGTACAGGGGGCGTAGTGACCGACTTCGATGGCGATGGGATGCTGGATCTC
 ATCTTGTACATGGAGAGTCCATGGCTCAGCCACTGTCTGTCTTCCGGGGAAATCAGGGCTTCAGCAACA
 ACTGGTTGCGTGTGGTACCTCGCACCCGGTTTCGGGGCCTTTCAGGGGGCGCAAGGTTGTACTCTACAC
 CAAGAAGAGTGGGGCGCACCTACGGATCATTGATGGGGTTCCGGCTACCTGTGTGAAATGGAGCCTGTG
 GCACATTTGGCTGGGACGGGATGAAGCCAGCAGTGTGGAGGTGACGTGGCCAGATGGCAAGATGGTGA
 GCCGAAGTGTGGCCAGCGAGGAGATGAAGTCCGGTGTGGAGATCTCTACCCCAAGGATGAGGACAACT
 TCAGAACACAGCCCACTAGAGTGGCCAAAGGATTCTCCAGCAGGACAATGGCCATTGCATGGACACC
 AATGAATGCATCCAGTTCCTTCTTGTGTCCTCGAGCAAACCCGATGTGTCAACACCTATGGAAGCT
 ACAGGTGCCGGACCAATAAAGATGCAATCGGGGCTATGAACCAATGAAGATGGCACAGCCTGTGTGGC
 TCAAGTGGCCTTTTAGGTGGTACTCATCGGCTGCCTTTAGACTCTCTGAGCCTCTCTCAGGCCCTCG
 TATCTTTCTTAGGCCTGGGACTTTCCTTCAGTTATATGCACTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206937 protein sequence
 Red=Cloning site Green=Tags(s)

MDPEASDLRGLALRDVAAEAGVSKYTAGRGVSVGPILSSASDIFCDNENGNPFLFHNQNGTFVDTA
 ASAGVDDPHQHGRGVALADFNDRGKVDIVYGNWNGPHRLYLQMSAHGKVRFRDIASPKFSTPSPVRTVIA
 ADFDNDQLELVFNFIAYRSSANRLFRVIRREHGDPLIEELNPGDALEPEGRGTGGVVTDFDGDGMLDL
 ILSHGESMAQPLSVFRGNQGF SNNWLRVVPRTFRGAFARGAKVVLYTKKGAHLRIIDGGSGYLCEMEPV
 AHFGLGRDEASSVEVTWPDGKMVSRVASEEMNSVLEILYPQDEDKLQNTAPLECGQGF SQDNGHCMDT
 NECIQFPFVCPDRKPVCVNTYGSYRCRTNKRNRGYEPNEDGTACVAQVAFLGGYSSAAFRLSEPLSQAS
 YLSLGLGLCLQLYAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC024472

ORF Size: 1305 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC024472](#), [AAH24472](#)

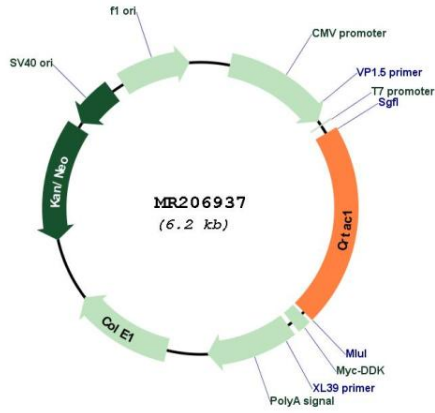
RefSeq Size: 1558 bp

RefSeq ORF: 1307 bp

Locus ID: 72832

Cytogenetics: 19 C3
 MW: 47.3 kDa

Product images:



Circular map for MR206937