

Product datasheet for **MG206937**

Crtac1 (BC024472) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crtac1 (BC024472) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Crtac1
Synonyms:	2810454P21Rik; AW047536; Crtac1B; Lotus
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206937 representing BC024472 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGACCCTGAGGCCAGTGACCTGTCCCGGGGATCCTGGCACTCAGGGACGTGGCGGCTGAGGCTGGG
TCAGCAAGTACACAGCGGGCCGGGTGTACGCTAGGCCCATTTCTCAGCAGCAGTGCCTCAGATATCTT
CTGTGACAACGAGAACGGGCCAACTTCTCTTCCACAACCAAGGCAACGGTACCTTTGTGGATACTGCG
GCCAGTGCCGGCTAGACGACCCTCATCAGCATGGCCGAGGTGTGCCCTGGCAGATTTCAACCGTGACG
GCAAAGTAGACATCGTCTATGGCAACTGGAACGGCCACATCGCCTCTATCTACAGATGAGTGCTCACGG
GAAGGTCCGGTTTCGGGACATTGCTTCGCCAAGTTCTCCACGCCCTCCCCTGTCCGGACTGTCATTGCT
GCCGACTTTGACAATGACCAGGAAGTCTTCTTCAACAACATTGCCTACAGAAGCTCCTCAGCCA
ATCGCCTCTTCCGTGTCTCCGACGGGAGCAGCGGGACCTCTCATCGAGGAGCTCAATCCTGGTGACGC
CCTAGAGCCTGAGGGCCGGGTACAGGGGCGTAGTGACCGACTTCGATGGCGATGGGATGCTGGATCTC
ATCTTGTCACATGGAGAGTCCATGGCTCAGCCACTGTCTGTCTTCCGGGAAATCAGGGCTTCAGCAACA
ACTGGTTGCGTGTGTACCTCGCACCCGGTTCGGGGCTTTGCCAGGGCGCCAAGGTTGTAATCTACAC
CAAGAAGAGTGGGCGCACCTACGGATCATTGATGGGGTTCCGGCTACCTGTGTGAAATGGAGCCTGTG
GCACATTTTGGCTGGGACGGGATGAAGCCAGCAGTGTGGAGGTGACGTGGCCAGATGGCAAGATGGTGA
GCCGAAGTGTGGCAGCGAGGAGATGAACTCGGTGTTGGAGATCCTCTACCCCAAGGATGAGGACAACT
TCAGAACACAGCCCCACTAGAGTGCGGCCAAGGATTCTCCAGCAGGACAATGGCCATTGCATGGACACC
AATGAATGCATCCAGTTCCTATTTGTGTGCCCTCGAGACAAACCGTATGTGTCAACACCTATGGAAGCT
ACAGGTGCCGACCAATAAAGATGCAATCGGGGCTATGAACCAATGAAGATGGCACAGCCTGTGTGGC
TCAAGTGGCCTTTTAGGTGGTACTCATCGGCTGCCTTTAGACTCTCTGAGCCTCTCTCTCAGGCCTCG
TATCTTCTCTAGGCCTGGGACTTGCCTTCAGTTATATGCACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206937 representing BC024472
 Red=Cloning site Green=Tags(s)

MDPEASDL SRGILALRDVAAEAGVSKYTAGRGVSVGPILSSASDIFCDNENGPNFLFHNQNGTFVDTA
 ASAGVDDPHQHGRGVALADFNRDGKVDIVYGNWNGPHRLYLQMSAHGKVRFRDIASPKFSTPSPVRTVIA
 ADFDNDQLELVFFNNIAYRSSSANRLFRVIRREHGDPLIEELNPGDALEPEGRGTGGVVTDFDGDGMLDL
 ILSHGESMAQPLSVFRGNQGF SNNWLRVVPRTRF GAFARGAKVVLYTKKSGAHLRIIDGGSGYLCEMEPV
 AHFGLGRDEASSVEVTWPDGKMVSRVASEEMNSVLEILYPQDEDKLQNTAPLECGQGSQQDNGHCMDT
 NECIQPFVFCPRDKPVCVNTYGSYRCRTNKRRCNRYEPNEDGTACVAQVAFLGGYSSAAFRLEPLSQAS
 YLSLGLGLCLQLYAL

TRTRPLE – GFP Tag – V

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

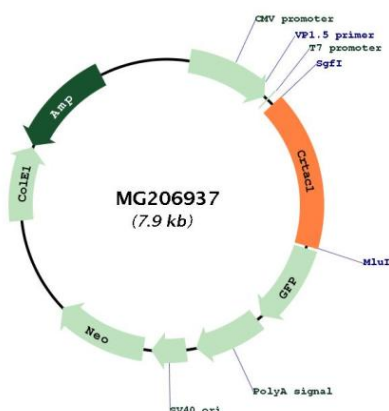
RefSeq Size: 1558 bp

RefSeq ORF: 1307 bp

Locus ID: 72832

Cytogenetics: 19 C3

Product images:



Circular map for MG206937