

Product datasheet for **RR203501**

Eci1 (NM_017306) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eci1 (NM_017306) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eci1
Synonyms: Dci
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203501 representing NM_017306
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCTGGCTGCTGCGCGTCGCGTTCTGCTGCAGGCCGGATCCCGCTCGGCCGAGGGGGCCGTGG
ACGGCGCGCGCGCTTCTAACAAGCGGGTGTGGTGGAGAAGGAGGGCGAGGCAGGAATCGCAGTGAT
GAAGTTCAAGAACCCTCCAGTGAATCCCTCAGCTTGGAGTTTCTGACAGAGTTCGTCATCAGCCTGGAG
AAGCTGGAAAATGACAAGAGCATCCGAGGTGTCATCCTCACTTCGGAGCGCCCGGTATCTTCTCGGCTG
GCCTGGACTTGATGGAGATGTATGGCCGAACCCAGCCACTACGCTGAGTACTGGAAGGCTGTGCAGGA
GCTGTGGCTGAGGCTCTACTTGTCCAACCTGACCTTGATATCTGCCATCAATGGCGCCTCTCCAGCTGGA
GGCTGCCTCATGGCTCTCACCTGTGACTACAGGATAATGGCGGACAACCCCAAGTATACCATAGGATTGA
ATGAGAGCCTGCTGGCATTGTTGCCCTTCTGGTTAAAAGACAACACGTGAACACCATCGGGCACCG
AGCAGCCGAGCGTGCCCTTCAACTGGGGACGCTTTCCACCAGCAGAGGCCCTCAAGGTGGGTTTGGTG
GATGAGGTGGTACCTGAGGATCAGGTACACAGCAAGGCTCGCTCAGTGATGGCCAAGTGGTTCACCATTC
CGGACCATTCGCGCAGCTGACGAAGAGCATGATGCGGAAGGCCACGGCGGACAACCTGATCAAGCAGCG
AGAGGCTGACATCCAGAACTTCACCAGTTTCATCTCCAGAGACTCCATCCAGAAGTCCCTGCACGTGTAC
TTGAAAAGCTCAAGCAAAGAAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203501 representing NM_017306
 Red=Cloning site Green=Tags(s)

MALAAARRVLLQAGSRLGRRGAVDVGARRFSNKRVLVEKEGEAGIAVMKFKNPPVNSLSLEFLTEFVISLE
 KLENDKSIRGVILTSEKPGIFSAGLDLMEYGRNPAHYAEYWKAVQELWLRLYLSNLTLSAINGASPAG
 GCLMALTCDYRIMADNPKYITIGLNESSLGIVAPFWLKDNYVNTIGHRAAERALQLGTLFPPAEALKVGLV
 DEVVPEDQVHKSARSVMKWFITPDHSRQLTKSMRKTADNLIKQREADIQNFTSFI SRDSIQKSLHVV
 LEKLLKQKKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

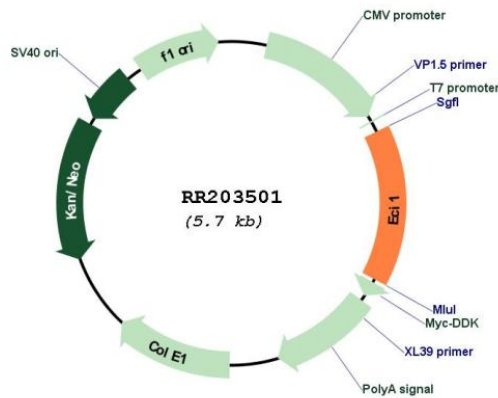
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017306

ORF Size: 867 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:	<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_017306.4 , NP_059002.2
RefSeq Size:	989 bp
RefSeq ORF:	870 bp
Locus ID:	29740
Cytogenetics:	10q12
MW:	32.3 kDa
Gene Summary:	catalyzes the interconversion of 3-cis-dodecenoyl-CoA and 2-trans-dodecenoyl-CoA in fatty acid beta oxidation [RGD, Feb 2006]