

Product datasheet for **RR202644**

Eci2 (NM_001006966) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eci2 (NM_001006966) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eci2
Synonyms: Peci
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202644 representing NM_001006966
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCAGTGACCTGGAGTCGGGCGCGGTGCTGGTGTCCGAGTCTCCTGCAGGTCTCAGATTACCAG
TGACTAACTGCACCTAGGCAGACCAGCCATGAGAGCCACTCAGCAGGACTTCGAAAATGCAATGAACCA
GGTGAACTCTTGAAGAAGGACCCAGGAAATGAAGTGAAGCTGAGACTGTATGCGCTGTATAAGCAGGCC
ACAGAAGGACCTGCACTATGCCTAAACCAGGTGTGTTTGACTTTGTCAATAAAGCCAAGTGGGATGCAT
GGAATGCTCTGGGAGCCTACCAAAGGAAACTGCCAGGCAGAAGTATGTGGACCTCGTATCCAGTTTGAG
TTCTCATCTGAAGCCTCGAGCCAGGAAAGGGTGGAGCTGATGGGAAAGCCAGGAGTCCAAGGGCATC
CTGGTAACGTCTGAAGGTGGCATCACAAGATCACGTTCAATCGGCCCTCCAAAAAGAACGCCATAACCT
TCCAGATGTATCAGGATATTACTCGCGCTTAAGAATGCCAGCACGGATGACACAGTATCACCGTTTT
CACAGGAGCTGGTACTACTACAGCAGTGGGAATGACCTGACTAAGTCACTAGCGCCTCTGGGGGAATG
GAGGAGGCGGCTAACAAGGTGCTATAGTACTGAGGGAATTTGTAACACTTTTATAGACTTTCCCAAGC
CTCTGTTGAGTCAATGGCCAGCTGTGGGAATCTCTGTACCCTTCTGGGACTATTTGATGCCGT
CTATGCATCGGACAGGGCAACATTTTACTCCATTGAGCCACCTCGGCCAGAGCCGGAAGCCTGCTCC
TCTTACAGTTTTCCGAAGATGATGGGCTCAGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTCA
CAGCAAGAGAGGCTTGGGCTCAAGGCCTTGTCACTGAAGTTTTCCCTGAAAGCACTTTTGAGACAGAAGT
CTGGACCAGGCTGAAAACATATGCGAAGCTCCCGCCAACTCCATGAGAAATTTCCAAAGAGTTAATCAGG
AAGAATGAGAAAGAAAAGCTCCATGCAGTTAACGAGGAGGAGTGCCTACTTTACGAGCAAGGTGGCTGT
CAGAGGAGTGCATCAACGCAATCATGAGCTTTGTTACCAGAAAGCCAAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202644 representing NM_001006966
 Red=Cloning site Green=Tags(s)

MAAVTWSRARCWCPSLLQVLRPVTKLHLGRPAMRATQQDFENAMNQVKLLKKDPGNEVKLRLYALYKQA
 TEGPCTMPKPGVDFVNKAKWDANLGLSPKETARQNYVDLVSSLSSSSEASSQKGGADGKAQESKGI
 LVTSEGGITKITFNRPSSKNAITFQMYQDIILALKNASTDDTVITVFTGAGDYSSGNDL TNFTSASGGM
 EEAANKGAIIVLREFVNTFIDFPKPLVAVVNGPAVGISVTLGLFDVAVYASDRATFHTPFSLHLGQSPEACS
 SYTFPKMMGSAKAAEMLLFGKKLTAREAWAQLVTEVFPSTFETEVRTLKYAKLPPNSMRISKELIR
 KNEKEKLHAVNEEECTTLRARWLSEECINAIMSFVTRKPKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

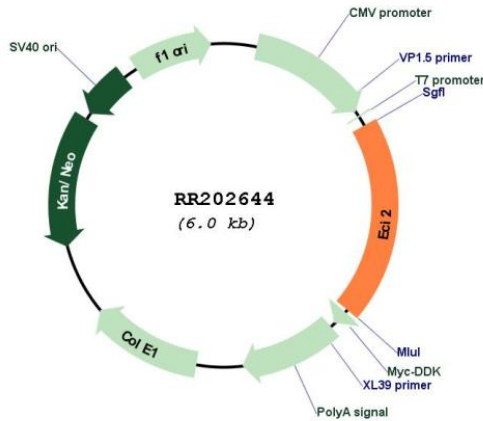
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001006966

ORF Size:	1173 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_001006966.1 , NP_001006967.1
RefSeq Size:	1610 bp
RefSeq ORF:	1176 bp
Locus ID:	291075
UniProt ID:	Q5XIC0
Cytogenetics:	17p12
MW:	43 kDa
Gene Summary:	Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species. Has a preference for 3-trans substrates.[UniProtKB/Swiss-Prot Function]