

Product datasheet for MR217421

Eci2 (NM_011868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eci2 (NM_011868) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eci2
Synonyms:	Acbd2; Drs1; Hca88; Peci
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217421 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCAGGTGAAACTCTTGAAGAAGGACCCGGGAA
ACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCCACAGAAGGACCCTGTAATATGCCTAAGCC
TGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCATGGAATGCCCTGGGCAGCCTACCCAAGGAA
ACTGCCAGGCAGAACTATGTGGATCTCGTATCCAGTTTGAGTTCCCTCATCTGAAGCCCGAGCCAGGGAA
AGTGTGGAGCTGATGAGAAAGCCAGGAGTCAAAGACATCCTGGTAACCTCTGAAGATGGCATCACGAA
GATCACGTTCAATCGGCCACCAAAAAGAATGCCATATCCTTCCAGATGTATCGGGATATTATACTCGCA
CTTAAAAATGCCAGCACTGATAACACTGTCATGGCTGTTTTACAGGAACTGGTACTACTACTGCACTG
GGAATGACCTGACTAACTTCACTAGTGCCACTGGGGGATAGAGGAGGCAGCTAGCAACGGTGCTGTGTT
ACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCCAAGCCTCTGGTTGCGGTAGTAAATGGCCAGCT
GTGGGAATCTCTGTACCCCTTCTGGGACTATTTGATGCTGCTTTGCATCAGACAGGGCAACGTTTCATA
CTCCATTCAGCCAACCTCGGCCAGAGCCAGAAGCATGCTCCTTTACACGTTTCCGAAGATGATGGGCTC
AGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTCACAGCAAGAGAGGCCCTGGGCTCAAGGCCTT
GTCAGTGAAGTTTTCCCTGAGAGCACTTTGAGACGGAAGTCTGGACCAGGCTGAAAACATATGCGAAGC
TGCCGCCAAACGCCATGAGAATTTCCAAAGAGTTAATCAGAAAAAATGAGAAAGAAAAGCTACGCAGT
CAACGCTGAAGAGTGCACTACTCTGCAAGCAAGGTGGCTGTCAGAGGAGTGCATGAACGCAATCATGAGC
TTCGTCTCCAGAAAACCAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217421 protein sequence
 Red=Cloning site Green=Tags(s)

MRASQQDFENALNQVKLLKKDPGNEVKLRLYALYKQATEGPCNMPKPGMLDFVNKAKWDALGSLPKE
 TARQNYVDLVSSLSSSEAPSQGKCGADEKAQESKDILVTSSEGDITKITFNRPSTKKNASISFQMYRDIILA
 LKNASTDNTVMVFTGTGDYYCSGNDL TNFTSATGGIEEAAASNGAVLLRDFVNSFIDFPKPLVAVVNGPA
 VGISVTLGLFDVAVFASDRATFHTFPFSQLGQSPEACSSYTFPKMMGSAKAAEMLLFGKKLTAREAWAQL
 VTEVFPESTFETEYVWTRLKTYAKLPPNAMRISKELIRKNEKEKLYAVNAEECTTLQARWLSEECMNAIMS
 FVSRKPKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011868

ORF Size: 1077 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.

RefSeq: [NM_011868.1](#), [NM_011868.2](#), [NM_011868.3](#), [NP_035998.2](#)

RefSeq Size: 1626 bp

RefSeq ORF: 1077 bp

Locus ID: 23986

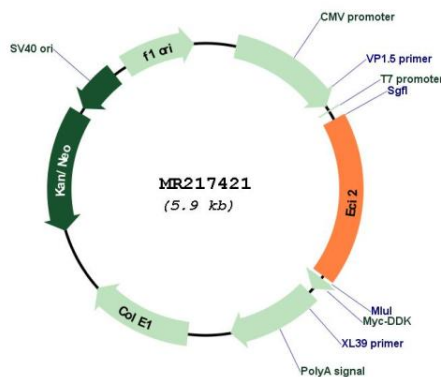
UniProt ID: [Q9WUR2](#)

Cytogenetics: 13 A3.3

MW: 39.4 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 (PubMed:24344334). Has a preference for 3-trans substrates (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217421