

Product datasheet for MR205475

Eci2 (NM_001110332) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eci2 (NM_001110332) 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:	>MR205475 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCAGGTGAAACTCTTGAAGAAGGACCCGGGAA
ACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCCACAGAAGGACCCTGTAATATGCCTAAGCC
TGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCATGGAATGCCCTGGGCAGCCTACCCAAGGAA
ACTGCCAGGCAGAACTATGTGGATCTCGTATCCAGTTTGAGTTTCCATCTGAAGCCCGAGCCAGGGAA
AGTGTGGAGCTGATGAGAAAGCCAGGAGTCAAAGACATCCTGGTAACCTCTGAAGATGGCATCACGAA
GATCACGTTCAATCGGCCACCAAAAAGAATGCCATATCCTTCCAGATGTATCGGGATATTATACTCGCA
CTTAAAAATGCCAGCACTGATAACACTGTCATGGCTGTTTTACAGGAACTGGTACTACTACTGCACTG
GGAATGACCTGACTAACTTCACTAGTGCCACTGGGGGATAGAGGAGGCAGCTAGCAACGGTGCTGTGTT
ACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCCAAGCCTCTGGTTGCGGTAGTAAATGGCCCAGCT
GTGGGAATCTCTGTACCCCTTCTGGGACTATTTGATGCTGCTTTGCATCAGACAGGGCAACGTTTCATA
CTCCATTCAGCCAACCTCGGCCAGAGCCAGAAGCATGCTCCTTTACACGTTTCCGAAGATGATGGGCTC
AGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTCACAGCAAGAGAGGCCCTGGGCTCAAGGCCTT
GTCAGTGAAGTTTTCCCTGAGAGCACTTTGAGACGGAAGTCTGGACCAGGCTGAAAACATATGCGAAGC
TGCCGCCAAACGCCATGAGAATTTCCAAAGAGTTAATCAGAAAAATGAGAAAGAAAAGCTACGCAGT
CAACGCTGAAGAGTGCACTACTCTGCAAGCAAGGTGGCTGTCAGAGGAGTGCATGAACGCAATCATGAGC
TTCGTCTCCAGAAAACCAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205475 protein sequence
 Red=Cloning site Green=Tags(s)

MRASQQDFENALNQVKLLKKDPGNEVKLRLYALYKQATEGPCNMPKPGMLDFVNKAKWDALGSLPKE
 TARQNYVDLVSSLSSSEAPSQKCGADEKAQESKDILVTSSEGGITKITFNRPTKKNAISFQMYRDIILA
 LKNASTDNTVMVFTGTGDYYCSGNDL TNFTSATGGIEEASNGAVLLRDFVNSFIDFPKPLVAVVNGPA
 VGISVTLGLFDVAVFASDRATFHTFPFSQLGQSPEACSSYTFPKMMGSAKAAEMLLFGKKLTAREAWAQL
 VTEVFPESTFETEYVTRLKTYAKLPPNAMRISKELIRKNEKEKLYAVNAEECTTLQARWLSEECMNAIMS
 FVSRKPKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001110332

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_001110332.1](#), [NP_001103802.1](#)

RefSeq Size: 1432 bp

RefSeq ORF: 1077 bp

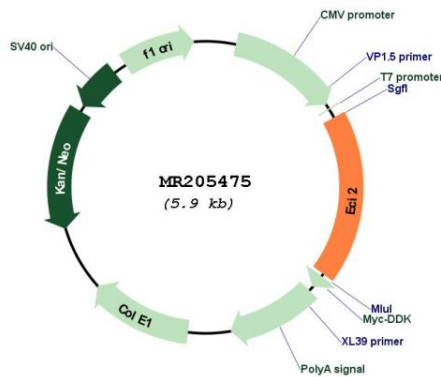
Locus ID: 23986

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 MR205475