

Product datasheet for **MG215845**

Eci2 (NM_001110331) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eci2 (NM_001110331) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eci2
Synonyms:	Acbd2; Drs1; Hca88; Peci
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215845 representing NM_001110331 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCAGTGACCTGGAGTCGGGCTCGATGCTGGTGTCCGAGTGCCTGCAGGTCTTCAGATTACAAG
TGGCTAAACTGCACTTGGGCAGACCAACAATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCA
GGTGAAACTCTTGAAGAAGGACCCGGGAAACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCC
ACAGAAGGACCCTGTAATATGCCTAAGCCTGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCAT
GGAATGCCCTGGCAGCCTACCCAAGGAAACTGCCAGGCAGAACTATGTGGATCTCGTATCCAGTTTGAG
TTCTCATCTGAAGCCCCGAGCCAGGAAAGCGTGGAGCTGATGAGAAAGCCCGGAGTCCAAGACATC
CTGGTAACTTCTGAAGATGGTATCACGAAGATCACGTTCAATCGGCCACCAAAAAGAATGCCATATCCT
TCCAGATGTATCGGGATATTATACTCGCACTTAAAAATGCCAGCACTGATAACACTGTCATGGCTGTTTT
CACAGGAACTGGTGACTIONACTGCACTGGGAATGACCTGACTAACTTCACTAGTGCCACTGGGGGATA
GAGGAGGCAGCTAGCAACGGTGTGTGTTACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCAAGC
CTCTGGTTGCGGTAGTAAATGGCCAGCTGTGGGAATCTGTGACCCCTTCTGGGACTATTTGATGCTGT
CTTTGCATCAGACAGGGCAACGTTTCATACTCCATTGAGCAACTCGGCCAGAGCCCGGAAGCATGCTCC
TCTTACACGTTTTCCGAAGATGATGGGCTCAGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTGA
CAGCAAGAGAGGCCTGGGCTCAAGGCCTTGTCACTGAAGTTTTCCCTGAGAGCACTTTTGAGACAGAAGT
CTGGACCAGGCTGAAAACATATGCGAAGCTCCCGCAAACGCCATGAGAATTTCAAAGAGTTAATCAGA
AAAAATGAGAAAGAAAAGCTCTACGCACTCAACGCTGAAGAGTGCCTACTCTGCAAGCAAGGTGGCTGT
CAGAGGAGTGCATGAACGCAATCATGAGCTTCGTCTCCAGAAAACCAAAGCTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215845 representing NM_001110331
 Red=Cloning site Green=Tags(s)

MAAVTWSRARCWCPSVLQVFRLLQVAKLHLGRPTMRASQQDFENALNQVKLLKKDPGNEVKLRLYALYKQA
 TEGPCNMPKPGMLDFVNKAKWDARNALGSLPKETARQNYVDLVSSLSSSEAPSQKRGADKARESKDI
 LVTSEDGITKITFNRPTKKNASISFQMYRDIILALKNASTDNTVMAVFTGTGDYICSGNDL TNFTSATGGI
 EEAASNGAVLLRDFVNSFIDFPKPLVAVVNGPAVGI SVTLLGLF DAVFASDRATFHPTP SQLGQSPEACS
 SYTFPKMMGSAKAAEMLLFGKKL TAREAWAQLVTEVFPPESTFETE VWTRLKTYAKLPPNAMRISKELIR
 KNEKEKLYAVNAEECTTLQARWLSEECMNAIMSFVSRKPKL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001110331

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:

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_001110331.1](#), [NP_001103801.1](#)

RefSeq Size: 1442 bp

RefSeq ORF: 1176 bp

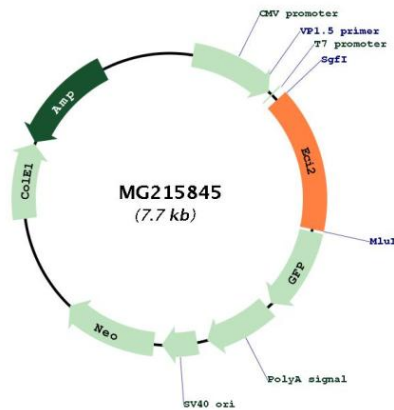
Locus ID: 23986

UniProt ID: [Q9WUR2](#)

Cytogenetics: 13 A3.3

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 MG215845