

Product datasheet for **MG217421**

Eci2 (NM_011868) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eci2 (NM_011868) 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:	>MG217421 representing NM_011868 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCAGGTGAAACTCTTGAAGAAGGACCCGGAA
ACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCCACAGAAGGACCCTGTAATATGCCTAAGCC
TGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCATGGAATGCCCTGGGCAGCCTACCCAAGGAA
ACTGCCAGGCAGAACTATGTGGATCTCGTATCCAGTTTGAGTTCCCTCATCTGAAGCCCCGAGCCAGGGAA
AGTGTGGAGCTGATGAGAAAGCCAGGAGTCAAAGACATCCTGGTAACCTCTGAAGATGGCATCACGAA
GATCACGTTCAATCGGCCACCAAAAAGAATGCCATATCCTTCCAGATGTATCGGGATATTATACTCGCA
CTTAAAAATGCCAGCACTGATAACACTGTCATGGCTGTTTTACAGGAACTGGTACTACTACTGCAGTG
GGAATGACCTGACTAAGTCACTAGTGCCACTGGGGGATAGAGGAGGCAGCTAGCAACGGTGCTGTGTT
ACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCCAAGCCTCTGGTTGCGGTAGTAAATGGCCCAGCT
GTGGGAATCTCTGTACCCCTTCTGGGACTATTTGATGCTGCTTTGCATCAGACAGGGCAACGTTTCATA
CTCCATTCAGCCAACCTCGGCCAGAGCCAGAAGCATGCTCCTCTTACACGTTTCCGAAGATGATGGGCTC
AGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTCACAGCAAGAGAGGCCCTGGGCTCAAGGCCTT
GTCAGTGAAGTTTTCCCTGAGAGCACTTTGAGACGGAAGTCTGGACCAGGCTGAAAACATATGCGAAGC
TGCCGCCAAACGCCATGAGAATTTCCAAAGAGTTAATCAGAAAAAATGAGAAAGAAAAGCTACGCAGT
CAACGCTGAAGAGTGCACTACTCTGCAAGCAAGGTGGCTGTCAGAGGAGTGCATGAACGCAATCATGAGC
TTCGTCTCCAGAAAACCAAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217421 representing NM_011868
 Red=Cloning site Green=Tags(s)

MRASQQDFENALNQVKLLKKDPGNEVKLRLYALYKQATEGPCNMPKPGMLDFVNKAKWDANALGSLPKE
 TARQNYVDLVSSLSSSSEAPSQGKCGADEKAQESKDILVTS EDGITKITFNRPTKKNAISFQMYRDIILA
 LKNASTDNTVMVFTGTGDYYCSGNL TNFTSATGGIEEAASNGAVLLRDFVNSFIDFPKPLVAVVNGPA
 VGISVTLGLFDVAFASDRATFHTFPFSQLGQSPEACSSYTFPKMMGSAKAAEMLLFGKKLTAREAWAQL
 VTEVFPESTFETEYWTRLKTYAKLPPNAMRISKELIRKNEKEKLYAVNAEECTTLQARWLSEECMNAIMS
 FVSRKPKL

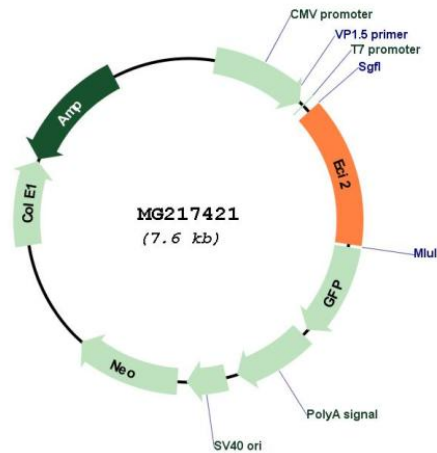
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011868

ORF Size:	1074 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_011868.2 , NP_035998.2
RefSeq Size:	1609 bp
RefSeq ORF:	1077 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]