

## Product datasheet for **MC209690**

### Eci2 (NM\_001110332) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eci2 (NM_001110332) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eci2
Synonyms:	Acbd2; Drs1; Hca88; Peci
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209690 representing NM_001110332 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCAGGTGAAACTCTTGAAGAAGGACCCGGGAA  
ACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCCACAGAAGGACCCTGTAATATGCCTAAGCC  
TGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCATGGAATGCCCTGGGCAGCCTACCCAAGGAA  
ACTGCCAGGCAGAACTATGTGGATCTCGTATCCAGTTTGAGTTTCCCTCATCTGAAGCCCGAGCCAGGGAA  
AGCGTGGAGCTGATGAGAAAGCCCGGAGTCAAAGACATCCTGGTAACCTCTGAAGATGGTATCACGAA  
GATCACGTTCAATCGGCCACCAAAAAGAATGCCATATCCTTCCAGATGTATCGGGATATTATACTCGCA  
CTTAAAAATGCCAGCACTGATAACACTGTCATGGCTGTTTTACAGGAACTGGTACTACTACTGCACTG  
GGAATGACCTGACTAACTTCACTAGTGCCACTGGGGGATAGAGGAGGCAGCTAGCAACGGTGCTGTGTT  
ACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCCAAGCCTCTGGTTGCGGTAGTAAATGGCCAGCT  
GTGGGAATCTCTGTACCCCTTCTGGGACTATTTGATGCTGCTTTGCATCAGACAGGGCAACGTTTCATA  
CTCCATTCAGCCAACCTCGGCCAGAGCCCGAAGCATGCTCCTTTACACGTTTCCGAAGATGATGGGCTC  
AGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTGACAGCAAGAGAGGCCCTGGGCTCAAGGCCTT  
GTCACTGAAGTTTTCCCTGAGAGCACTTTGAGACAGAAGTCTGGACCAGGCTGAAAACATATGCGAAGC  
TCCCGCCAAACGCCATGAGAATTTCCAAAGAGTTAATCAGAAAAAATGAGAAAGAAAAGCTTACGCAGT  
CAACGCTGAAGAGTGCACTACTCTGCAAGCAAGGTGGCTGTCAGAGGAGTGCATGAACGCAATCATGAGC  
TTCGTCTCCAGAAAACCAAGCT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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<b>ACCN:</b>	NM_001110332
<b>Insert Size:</b>	1077 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001110332.1</a></u> , <u><a href="#">NP_001103802.1</a></u>
<b>RefSeq Size:</b>	1432 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	23986
<b>Cytogenetics:</b>	13 A3.3
<b>Gene Summary:</b>	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]