

## Product datasheet for MC209689

### Eci2 (NM\_001110331) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eci2 (NM\_001110331) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eci2  
**Synonyms:** Acbd2; Drs1; Hca88; Peci  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209689 representing NM\_001110331  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCAGTGACCTGGAGTCGGGCTCGATGCTGGTGTCCGAGTGTCTGCAGGTCTTCAGATTACAAG  
 TGGCTAACTGCACTTGGGCAGACCAACAATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCA  
 GGTGAACTCTTGAAGAAGGACCCGGGAAACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCC  
 ACAGAAGGACCTGTAATATGCCTAAGCCTGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCAT  
 GGAATGCCTGGGCAGCCTACCCAAGGAAACTGCCAGGCAGAAGCTATGTGGATCTCGTATCCAGTTTGAG  
 TTCCTCATCTGAAGCCCCGAGCCAGGAAAGCGTGGAGCTGATGAGAAAGCCCGGGAGTCCAAGACATC  
 CTGGTAACTTCTGAAGATGGTATCACGAAGATCACGTTCAATCGGCCACCAAAAAGATGCCATATCCT  
 TCCAGATGTATCGGGATATTATACTCGCACTTAAAAATGCCAGCACTGATAACACTGTCTGGCTGTTTT  
 CACAGGAAGTGGTACTACTGCACTGGGAATGACCTGACTAACTTCACTAGTCCACTGGGGGGATA  
 GAGGAGGCAGCTAGCAACGGTGTGTACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCCAAGC  
 CTCTGGTTGCGGTAGTAAATGGCCAGCTGTGGGAATCTCTGTACCCTTCTGGGACTATTTGATGCTGT  
 CTTTGCATCAGACAGGGCAACGTTTCATACTCCATTGAGCAACTCGGCCAGAGCCGGAAGCATGCTCC  
 TCTTACACGTTTCCGAAGATGATGGGCTCAGCAAAGGCAGCTGAGATGCTTCTTTGGGAAGAAGCTGA  
 CAGCAAGAGAGGCCTGGGCTCAAGGCCTTGTCACTGAAGTTTTCCCTGAGAGCACTTTTGGACAGAAGT  
 CTGGACCAGGCTGAAAACATATGCGAAGCTCCCGCCAAACGCCATGAGAAATTTCCAAAGAGTTAATCAGA  
 AAAAATGAGAAAGAAAAGCTCTACGCAGTCAACGCTGAAGAGTGCCTACTCTGCAAGCAAGGTGGCTGT  
 CAGAGGAGTGCATGAACGCAATCATGAGCTTCGTCAGAAAACCAAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul



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<b>ACCN:</b>	NM_001110331
<b>Insert Size:</b>	1176 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>NM_001110331.1, NP_001103801.1</u>
<b>RefSeq Size:</b>	1442 bp
<b>RefSeq ORF:</b>	1176 bp
<b>Locus ID:</b>	23986
<b>UniProt ID:</b>	<u>Q9WUR2</u>
<b>Cytogenetics:</b>	13 A3.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>