

## Product datasheet for MC209688

### Eci2 (NM\_011868) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eci2 (NM\_011868) 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:** >MC209688 representing NM\_011868  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGAGCCAGTCAGCAGGACTTTGAAAATGCATTGAACCAGGTGAAACTCTTGAAGAAGGACCCGGAA  
 ACGAAGTGAAGCTAAGACTCTATGCACTGTACAAGCAGGCCACAGAAGGACCCTGTAATATGCCTAAGCC  
 TGGTATGCTTGACTTTGTCAACAAAGCCAAGTGGGATGCATGGAATGCCCTGGCAGCCTACCCAAGGAA  
 ACTGCCAGGCAGAATAATGTGGATCTCGTATCCAGTTTGAGTTCCCTCATCTGAAGCCCGAGCCAGGGAA  
 AGCGTGGAGCTGATGAGAAAGCCCGGGAGTCCAAGACATCCTGGTAACCTCTGAAGATGGTATCACGAA  
 GATCACGTTCAATCGGCCACAAAAAGAATGCCATATCCTTCCAGATGTATCGGGATATTATACTCGCA  
 CTTAAAAATGCCAGCACTGATAACACTGTATGGCTGTTTTACAGGAACTGGTGACTACTACTGCAGTG  
 GGAATGACCTGACTAACTTCACTAGTGCCACTGGGGGATAGAGGAGGCAGCTAGCAACGGTGCTGTGT  
 ACTGAGGGACTTTGTAACAGTTTTATAGACTTTCCCAAGCCTCTGGTTGCGGTAGTAAATGGCCAGCT  
 GTGGGAATCTCTGTCACCCTTCTGGGACTATTTGATGCTGTCTTTGCATCAGACAGGCAACGTTTCATA  
 CTCCATTCAGCCAACTCGGCCAGAGCCCGGAAGCATGCTCCTTTACACGTTTCCGAAGATGATGGGCTC  
 AGCAAAGGCAGCTGAGATGCTTCTCTTTGGGAAGAAGCTGACAGCAAGAGAGGCCTGGGCTCAAGGCCTT  
 GCACTGAAGTTTTCCCTGAGAGCACTTTTGAACAGAACTCTGACAGAACTGAAAACATATGCGAAGC  
 TCCCGCCAAACGCCATGAGAATTTCAAAGAGTTAATCAGAAAAAATGAGAAAAGAAAGCTACTCGCAGT  
 CAACGCTGAAGAGTGCACTACTCTGCAAGCAAGGTGGCTGTCAGAGGAGTGCATGAACGCAATCATGAGC  
 TTCGCTCCAGAAAACCAAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_011868



<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>NM_011868.3, NP_035998.2</u>
<b>RefSeq Size:</b>	1626 bp
<b>RefSeq ORF:</b>	1077 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 (2) differs in the 5' UTR and uses a downstream initiation codon, compared to variant 1. The resulting protein (isoform b) is shorter at the N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform.</p>