

## Product datasheet for MC205240

### Echs1 (NM\_053119) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Echs1 (NM\_053119) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Echs1  
**Synonyms:** C80529  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC072658

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ATTCTGTGGGCGGAACACATCGTCTCTCCGCCATGGCGGCCCTGCGTGCTCTGCTGCCAGAGCCTGTAG
CTCACTGTTGCTCCTCAGTCCGCTGCCAGAACTACGGCGCTTCGCCTCGGGTGCTAACTTTCAGTACATC
ATCACAGAAAAGAAAGGAAAGAATAGCAGCGTGGGGCTGATCCAGTTGAACCGCCCCAAAGCACTCAATG
CACTTTGCAATGGCCTGATTGAGGAGCTCAACCAAGCACTGGAGACCTTTGAGCAAGATCCTGCTGTGGG
TGCCATTGTGCTCACTGGTGGGATAAAGCCTTTGCAGCTGGAGCTGACATCAAGGAAATGCAGAACCGA
ACATTTCAAGGACTGTTACTCCAGCAAGTTCCTGAGCCACTGGGACCACATCACCCGGGTCAAGAAACCGG
TCATCGCAGCTGTCAATGGTTATGCTCTTGGTGGGGTGTGAACTTGCCATGATGTGTGATATCATCTA
TGCTGGCGAGAAAGCCAGTTCGGACAGCCAGAAATCCTCCTGGGGACCATCCCACGTGCTGGAGGCACT
CAGAGACTCACCCGAGCAGTCCGCAAAATCGCTAGCAATGGAGATGGTCTCACTGGTACCCGCATCTCAG
CTCAGGATGCAAAGCAGGCAGGTCTTGAAGCAAGATTTTCTGTTGAAAAACTGGTTGAAGAAGCCAT
CCAATGTGCAGAAAAAATTGCCAGCAATTCTAAAATCGTAGTAGCCATGGCGAAAAGAAATCTGTGAATGCA
GCCTTTGAGATGACGTTAACAGAAGGAAATAAGCTGGAGAAGAGGCTTTTCTATTCCACCTTTGCCACCG
ATGACCCGAGAGAAGGGATGACTGCATTTGTAGAGAAAAGGAAGGCCAACTTCAAAGACCACTGAGAACT
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TGTGCATTTCTCCGAGCTCATAGCTCAAGATGTGAGCTTCAAGAGGGAAGTGGCCCTCTCTGCTGATTCC
CAACTCAAGAATTCAATGAAAGTAACTACTTACAGTTTAACTTTCGACTCACCTGTAGTTGTCTCTAGAG
AGCCAATGTGGTTTTTTAAAATTATTATTGCTATTTTCTATGGCTAAGGTTTCACTGTGTATCCCTGGC
TGCTTGGAAAGTACTATATAGACCAGGTTGACCTTGAACCTCACAGAGACCAGCCAGTCTCTGTTTTCCAA
GTGTTGGGATTAAGGTGTATACTAACCATGCCGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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**Restriction Sites:** Ascl-NotI



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<b>ACCN:</b>	NM_053119
<b>Insert Size:</b>	873 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>	<a href="#">BC072658</a> , <a href="#">AAH72658</a>
<b>RefSeq Size:</b>	1571 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	93747
<b>UniProt ID:</b>	<a href="#">Q8BH95</a>
<b>Cytogenetics:</b>	7 F4
<b>Gene Summary:</b>	Straight-chain enoyl-CoA thioesters from C4 up to at least C16 are processed, although with decreasing catalytic rate (By similarity). Has high substrate specificity for crotonyl-CoA and moderate specificity for acryloyl-CoA, 3-methylcrotonyl-CoA and methacrylyl-CoA. It is noteworthy that binds tiglyl-CoA, but hydrates only a small amount of this substrate (By similarity).[UniProtKB/Swiss-Prot Function]