

Product datasheet for **MC202725**

Echdc1 (NM_025855) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Echdc1 (NM_025855) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Echdc1
Synonyms:	1700028A24Rik; AI314462; AI930038; D10Erttd667e; MMCD
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC066183 sequence for NM_025855
 GGGAAAATCCGCTAAATTGGCAGTTCACAAAGGATGAGAAGGTGTGAGGTCAATTCTAAGCCGATTTCTGA
 ATATTTTGGAAATCCCTTGTGAGAACCGAGAAATGGCAAAATGTCTTTGACTTCACTCTGTCTGTGAAGA
 ACAAACCTCTTACAAACAGGAGTGTGCGTTTATAATACGAGTCATGGCTTCCACGAGGAGGAAGTGAAGA
 AGATACTGGAGCAGTTTCTGGTGGATCCATTGACCTCTAAAGAAGCAGAACGGCATTGGCATTCTGAC
 GCTAAACAACCCCAATAAAATGAATGCCTTCTCAGGTGCATGATGCTACAACCTTTGGAAAGGGTAATT
 GAATTAGAAAATTGGACAGAAGGAAAGGCCTCATTATCCATGGAGCAAAAAATACTTTCTGCTCAGGAT
 CTGATCTGAATGCTGTGAAGGCACTCTCCACTCCAGAAAGTGGAGTGGCCTTATCTATGTTTCATGCAAAA
 CACGTTAACAAAGATTTATGAGACTACCGTTAATAAGTGTGCTCTGGTTCAAGGCTGGGCAATGGGTGGA
 GGAGCAGAACTTACTACAGCATGTGATTTAGGTTGATGACTGAGGAAAGTGTGATCAGATTTGTCCACA
 AGGAGATGGGTATAGTTCCAAGCTGGGGTGGTACCAGCCGTCTGGTTGAAATCATTGGCAGCAGACAAGC
 TCTCAAAGTGTTAAGTGGGACTCTCAAAGTCTAAGGAAGCTTTAAATATAGGCTTGACTGATGAG
 GTCTTACAGCCCTCAGATGAAACTACGGCTCTAGAACAGGCACAAGAGTGGCTGGAGAAATTTGTCAGTG
 GGCCTCCACAAGTCATTAGGGGTTAAAAAAATCTGTCTGCTCTGCCGAGAACTGTATATAGAGGAGGC
 GTTACAGAATGAACGAGACGTTTTGGAAACACTGTGGGGTGGACCTGCAAATTTAGAGGCTATTGCTAAG
 AAAGGAAAGCATACTAAATAGCCTTTAAATGAGTGTAGTACAGGTGAAGCTGCAGGGAAACATGCATGG
 AGGTGAGATGATTAGAAATGAGCTGCGGAAGTCATTCAAAGGGGACTGCTAATCTGCGTAGTTGGCTCGG
 GGGCCTTCTCCATATTGTAATTCAGTGTCTGTGTCTTTCTTATCATTAAACATATACCAATTTCTAC
 ATTCTGTAGTAATTTAGCCAGGCTTATGCTTTGTAACATACTAACTTTTAAGAGAGGGTCTTAAAC
 TTGCTATGTAGCGCAAGGGTAGACGTGAATTCCTGACACTCCTGCTACCGCCTCCCAAACACTTGTAA
 TACTGCTGTTTCTGGCTGTTTTGGTCTTTCTTAAGTCGAAATAATTTACAAAAGCAAAGTAAACAAAAT
 TAAAAAATACTTAATATATCCTTCATAGGAAGCAAAAGGCAGGGAGAGACTAGAGAGGCATGTAAGAAAT
 ATTAGTTATTTTCGTGTGTGTTCTGTATACATAGGATACTGATGTGAAATGGTCTTCTTATTAAAGAA
 AAAAAAGGCCCTCTGTCATGGGAGTTTTTGGTGGCCTTTTCAACCATCTGTCTTCTATTTCAAAAGACC
 TACTAAACAGTGAAAGCCATTCTACTGGCTATACAAAGTAGCAGAGCATTGGTCTCTGAGATTTTTCATGT
 TAATAGTAAAGCAGTAGTATTGATTTAAAGACTCATGAAGCATCCTTTTCATTTTACCAGATTTTGTGAG
 CAATACCTAACTTTTGTGTGGCTATCTTTAATAACTAAATTTAATAGAAACACATAACCCAAACTTTA
 TGTCCATTCCAGAATTTACTTGTCCATAAAAAGTGTATAAGAATTAAGTCTAACCAGTCTCAACAAGA
 GGTAAAAGACACTCAAATAATCACCTTTTGTGTTTGTGTTTTCGCACTCTGTTAACGTGATAATTCGAA
 TACAGGGAATTTAGAAGTGTGTAATACAGGACCCCACTTTTAAAGGAAACACAGGCAGATGTGTTTTTC
 TCCGGGACAAATTTCAATTCTGTGTTCCGAGTATTTCTCCCTGTCAATCCATATAAAGTGGGCTTA
 TTGGTTCTATAACACTATGCTTGTAGCCAGACAGAAATACCAGTGTGAGCCTGGTAAAGTAAATGTA
 AATAAATGATATTAGCTGCTAAATTAATAAAGTAAAAAGAGAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_025855
- Insert Size:** 969 bp
- OTI Disclaimer:** 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).
- 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:

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: [BC066183](#), [AAH66183](#)

RefSeq Size: 2232 bp

RefSeq ORF: 969 bp

Locus ID: 52665

UniProt ID: [Q9D9V3](#)

Cytogenetics: 10 16.59 cM

Gene Summary: Decarboxylases ethylmalonyl-CoA decarboxylase, a potentially toxic metabolite, to form butyryl-CoA, suggesting it might be involved in metabolite proofreading. Also has methylmalonyl-CoA decarboxylase activity at lower level.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (a).