

Product datasheet for RN212449

Echdc1 (NM_001007734) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Echdc1 (NM_001007734) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Echdc1
Synonyms:	MMCD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212449 representing NM_001007734 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAAAAGTCTCTGGCTTCATCTCTGTCTGTGAAGAACAAAATCTTACAAACAGGAGTGTCACCTT
ATAATACGACTCATGGCTTCCATGAGGAAGAAGTGAAGAAGATACTGGAGCAGTTTCTGGTGGATCCAT
TGACCTACAGAAGAAGCAGAATGGTATTGGCATTCTGACGCTTAACTCAAATAAAATGAATGCTTTC
TCAGGTGCCATGATGCTACAACCTTTGGAAAGGTAATTGAATTAGAAAATTGGACAGAAGGAAAGGCC
TCATTGTTTCATGGAGCGAAAAACTTTTTGCTCAGGATCTGATCTGAATGCTGTGAAGGCACTCTCCAC
TCCAGAGAATGGAGTGGCCCTGTCTATGTTTCATGCAAAACACCTTAAAGATTTATGAGACTACCATTA
ATAAGCGTTGCTCTGGTTCAAGGCTGGGCAATGGTGGAGGAGCAGAAGTACTACAGCATGTGATTTC
GGTTGATGACTGAGGAAAGTGTGATCAGATTTGTCACAAGGAGATGGGTATAGTTCCAAGCTGGGGTGG
TGCCAGCCGGCTGGTTGAAATCATTGGCAGCAGACAAGCTCTCAAAGTGTAAAGTGGGACATTCAACTG
GATTCGAAGGAAGCTTTAAGAATAGGTTGGCTGATGAGGTCTTGACGCCCTCAGACGAAGCTACGGCTC
TGGAACAGGCACAAGAGTGGCTGGAGCAGTTTGTCAAGTGGACCTGCACAAGTCAAGGGGTTTAAAAA
ATCTGTCTGCTTGCCCGGAACTGTATCTAGAGGAGGCGTTACAGAACGAAAGAGATGTTTTAGAAACA
CTGTGGGTGGACCTGCAATTTAGAGGCTATTGCTAAGAAAGGAAAACACACTAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001007734
Insert Size:	900 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001007734.1</u> , <u>NP_001007735.1</u>
RefSeq Size:	1888 bp
RefSeq ORF:	900 bp
Locus ID:	361465
UniProt ID:	<u>Q6AYG5</u>
Cytogenetics:	1p11
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]