

Product datasheet for **SC106443**

ECHDC1 (BC003549) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECHDC1 (BC003549) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECHDC1
Synonyms:	dj351K20.2; DKFZp762M1110; enoyl Coenzyme A hydratase domain cont; FLJ40827; OTTHUMP00000017164; OTTHUMP00000017165; OTTHUMP00000017166; OTTHUMP00000017167; OTTHUMP00000017168; OTTHUMP00000017169; OTTHUMP00000017170; OTTHUMP00000017171; OTTHUMP00000017172
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC003549, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAAAAGTCTTTTGAAGACAGCCTCTCTGTCTGGAAGGACAAAATTGCTACATCAACAGGATTGT  
CACTTTATAGTACATCCCATGGATTTTATGAGGAAGAAGTGAAAAAACACTTCAGCAGTTTCCTGGTGG  
ATCCATTGACCTCAGAAGGAAGACAATGGCATTGGCATTCTTACTCTGAACAATCCAAGTAGAATGAAT  
GCCTTTTCAGGTGTTATGATGCTACAACCTCTGGAAAAAGTAATTGAATTGGAAAATTGGACAGAGGGGA  
AAGGCCTCATTGTCCGTGGGGCAAAAAATACTTCTCTTCAGGATCTGATCTGAATGCTGTGAAATCACT  
AGGAACTCCAGAGGATGGAATGGCCGTATGCATGTTTCATGCAAAACACCTTAACAAGATTTATGAGACTT  
CCTTTAATAAGTGTTCGCTGGTTCAAGGTTGGGCATTGGGTGGAGGAGCAGAAATTTACTACAGCATGTG  
ATTTTCAGGTTAATGACTCCAGAGAGTAAGATCAGATTCGTCCACAAGAGATGGGCATAATACCAAGCTG  
GGGTGGCACCACCCGGCTAGTTGAAATAATCGGAAGTAGACAAGCTCTCAAAGTGTTCAGTGGGGCCCTT  
AACTGGATTCAAAAATGCTCTAAACATAGGAATGGTTGAAGAGGTCTTGCAGTCTTCAGATGAAACTA  
AATCTCTAGAAGAGGCACAAGAATGGCTAAAGCAATTCATCCAAGGGCCACCGGAAGTAATTAGAGCTTT  
GAAAAATCTGTTTGTTCAGGCAGAGAGCTATATTTGGAGGAAGCATTACAGAACGAAAGAGATCTTTTA  
GGAACAGTTTGGGTGGGCTGCAAATTTAGAGGCTATTGCTAAGAAAAGGAAAATTTAATAAATAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC003549 unedited GGTTAAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACCAGGTGACACGAGG GAGCGCGAAGCGGAGGGCGCCTCGCGGCAGGAGCGGGATTTCCGGGGTCACGGGAACCGG CAGGGGAACGGGATAAAGTTCCCGGAGAAAGGAAAGGAGAGCGTGGGATAGTAAAAGAGA AGACGCGGAGAAGAGGAGAGGACCTACAAGAACGGAGGACAGGGGCGCACGATGGTCCCG GGGGGAGCGGAAACAAAGGCACGCAAAACGAAAAGCGTGTGTAGGGGAGCGGAAAAGGA AGTCACCACCGTGGCCTGCGACGAAATGGCGAAAAGTCTTTTGAAGACAGCCTCTCTGTC TGGAAGGACAAAATTGCTACATCAAACAGGATTGCACTTTATAGTACATCCCATGGATT TTATGAGGAAGAAGTGAAAAAACACTTCAGCAGTTTCCTGGTGGATCCATTGACCTTCA GAAGGAAGACAATGGCATTGGCATTCTTACTCTGAACAATCCAAGTAGAATGAATGCCTT TTCAGGTGTTATGATGCTACAACCTTCTGGAAAAAGTAATTGAATTGAAAAATTGGACAGA GGGGAAAGGCCTCATTGTCCGTGGGGCAAAAAATACTTTCTCTTCAGGATCTGATCTGAA TGCTGTGAAATCACTANGAACTCCAGAGGATGGAATGGCCGTATGCATGTTTCATGCAAAA CACCTTAACAAGATTTATGANNGTATGCAGCCTTCTTTTTTAAATATGATTTCTAAAAGA CCAAAAATAGCTTTTGTATTCCATTATTTGTACTAGTTAAGAAATAATAGCTAATTNT CAAATACATCTATTCTAATGATGTACTATTTTTTTGTGCCGTANAGGATAAATCATTAT TACATGNTNATGAAGTATATACATATGTATTTTTTAAAATAGAGAATGAAGAT
Restriction Sites:	NotI-NotI
ACCN:	BC003549
Insert Size:	3900 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:	<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:	BC003549.1 , AAH03549.1
RefSeq Size:	1247 bp
RefSeq ORF:	906 bp
Locus ID:	55862
Cytogenetics:	6q22.33
Domains:	ECH

Gene Summary:

Decarboxylates 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]