

## Product datasheet for **SC325747**

### ECHDC1 (NM\_001139510) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ECHDC1 (NM_001139510) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECHDC1
Synonyms:	dj351K20.2; HEL-S-76; MMCD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325747 representing NM_001139510. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCATTGAAACAGGAAATGGCGAAAAGTCTTTTGAAGACAGCCTCTCTGTCTGGAAGGACAAAATTG
CTACATCAAACAGGATTGTCACTTTATAGTACATCCCATGGATTTTATGAGGAAGAAGTGAAAAAACA
CTTCAGCAGTTTCTGGTGGATCCATTGACCTTCAGAAGGAAGACAATGGCATTGGCATTCTTACTCTG
AACAAATCCAAGTAGAATGAATGCCTTTTCAGGTGTTATGATGCTACAACCTCTGGAAAAAGTAATTGAA
TTGGAAAATTGGACAGAGGGGAAAGGCCTCATTGTCCGTGGGGCAAAAAATACTTCTCTTCAGGATCT
GATCTGAATGCTGTGAAATCACTAGGAACCTCAGAGGATGGAATGGCCGTATGCATGTTTCATGCAAAC
ACCTTAACAAGATTTATGAGACTTCCTTTAATAAGTGTTGCGCTGGTTCAGGTTGGGCATTGGGTGGA
GGAGCAGAATTTACTACAGCATGTGATTTTCAGGTTAATGACTCCAGAGAGTAAGATCAGATTCGTCAC
AAAGAGATGGGCATAATACCAAGCTGGGGTGGCACCACCCGGCTAGTTGAAATAATCGGAAGTAGACAA
GCTCTCAAAGTGTGAGTGGGGCCCTTAAACTGGATTCAAAAATGCTCTAAACATAGGAATGGTTGAA
GAGGTCTTGACGTCTTCAGATGAACTAAATCTCTAGAAGAGGCACAAGAATGGCTAAAGCAATTCATC
CAAGGGCCACCGAAGTAATTAGAGCTTTGAAAAAATCTGTTTGTTCAGGCAGAGAGCTATATTTGGAG
GAAGCATTACAGAACGAAAGAGATCTTTTAGGAACAGTTTGGGGTGGCCCTGCAAATTTAGAGGCTATT
GCTAAGAAAGGAAAATTTAATAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001139510
Insert Size:	924 bp



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<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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><a href="#">NM_001139510.1</a></u>
<b>RefSeq Size:</b>	2131 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	55862
<b>UniProt ID:</b>	<u><a href="#">Q9NTX5</a></u>
<b>Cytogenetics:</b>	6q22.33
<b>MW:</b>	33.7 kDa
<b>Gene Summary:</b>	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 (5) uses an alternate 5' exon, thus differing in its 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (5) is longer at the N-terminus, compared to isoform 1.