

## Product datasheet for **MG204651**

### Echdc1 (NM\_025855) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Echdc1 (NM_025855) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Echdc1
Synonyms:	1700028A24Rik; AI314462; AI930038; D10Erttd667e; MMCD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204651 representing NM_025855 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAAGGTGTGAGGTCAATTCTAAGCCGATTCTGAATATTTTGAATCCCTTGTGAGAACCGAGAAA  
TGGCAAATGTCTTTTGACTTCATCTGTCTGTGAAGAACAAAACCTTACAAACAGGAGTGTGCTTTA  
TAATACGAGTCATGGCTCCACGAGGAGGAAGTGAAGAAGATACTGGAGCAGTTTCTGGTGGATCCATT  
GACCTCCTAAAGAAGCAGAACGGCATTGGCATTCTGACGCTAAACAACCCCAATAAAATGAATGCCTTCT  
CAGGTGTCATGATGCTACAACCTTTGGAAAGGGTAATTGAATTAGAAAATTGGACAGAAGGGAAAGGCCT  
CATTATCCATGGAGCAAAAATACTTTCTGCTCAGGATCTGATCTGAATGCTGTGAAGGCACTCTCCACT  
CCAGAAAGTGGAGTGGCCTTATCTATGTTTCATGCAAAAACAGTTAACAAGATTTATGAGACTACCGTTAA  
TAAGTGTGCTCTGGTTCAAGGCTGGGCAATGGGTGGAGGAGCAGAACTTACTACAGCATGTGATTTAG  
GTTGATGACTGAGGAAAGTGTGATCAGATTTGTCCACAAGGAGATGGGTATAGTTCCAAGCTGGGGTGGT  
ACCAGCCGCTGGTTGAAATCATTGGCAGCAGACAAGCTCTCAAAGTGTAAAGTGGGACTCTCAAAGTGG  
ATTCTAAGGAAGCTTTAAATATAGGCTTGACTGATGAGGTCTTACAGCCCTCAGATGAAACTACGGCTCT  
AGAACAGGCACAAGAGTGGCTGGAGAAATTTGTCAAGTGGGCTCCACAAGTCATTAGGGGTTAAAAAAA  
TCTGTCTGCTCTGCCGAGAAGTATATAGAGGAGGCTTACAGAATGAACGAGACGTTTTGGAAACAC  
TGTGGGTGGACCTGCAATTTAGAGGCTATTGCTAAGAAAGGAAAGCATACTAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG204651 representing NM\_025855  
 Red=Cloning site Green=Tags(s)

MRRCEVNSKPISEYFGIPCENREMAKCLLTSSLVVRTKLLQTVSLYNTSHGFHEEEVKKILEQFPGGSI  
 DLLKKQNGIGILTLNPNKMNFA SGVMMLQLLERVIELENWTEGKGLIIHGAKNTFCSGSDLNAVKALST  
 PESGVALSMFMQNTLTRFMRLPLISVALVQGWAMGGGAELTTACDFRLMTEESVIRFVHKEMGIVPSWGG  
 TSRLVEIIGSRQALKVLSGTLKLDKALNIIGLTDEVLQPSDETTALEQAQEWLEK FVSGPPQVIRGLKK  
 SVCSARELYIEEALQNERDVLETLWGPPANLEIAKKGKHTK

TRTRPLE - GFP Tag - V

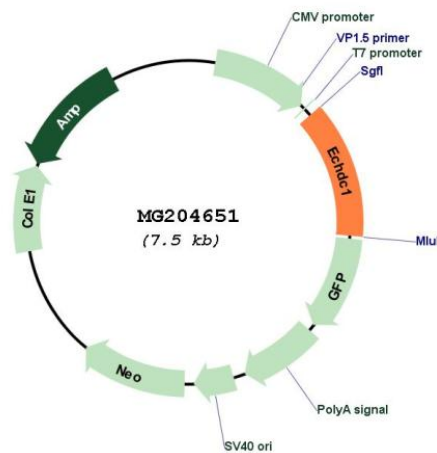
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_025855

**ORF Size:** 966 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_025855.2</a> , <a href="#">NP_080131.3</a>
<b>RefSeq Size:</b>	2947 bp
<b>RefSeq ORF:</b>	969 bp
<b>Locus ID:</b>	52665
<b>UniProt ID:</b>	<a href="#">Q9D9V3</a>
<b>Cytogenetics:</b>	10 16.59 cM
<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]