

## Product datasheet for **MG204188**

### Echdc3 (NM\_024208) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Echdc3 (NM_024208) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Echdc3
Synonyms:	2310005D12Rik; AI662097
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204188 representing NM_024208 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTGGTCGCAGGCCTTCGGGCCTTTGGGGTGAAGTGGCCAGCTGGCTCAGGCGCAACCCATGGG  
CCCCTCTCTCCGCCGGCTTCTGCAGCCCAGGGTCAGCAGGACCTGCGGGTGGAGTCAGAGCCAAGGCT  
CACCAGCATGCGACAGCAGGACGGAATCAGGAACATTGTCTTAAGCAATCCAGGAGGAGGAATGCGCTG  
TCACTGGCCATGCTGAAATCTCTCCGAAGTGACATTCTCACGAAGCTGAAAGTGAAGACCTGAAAGTCA  
TTATAATTTAGCCGAGGCCCAGTGTTTTTCATCTGGACATGATTTGAAAGAGCTGACGGATGCACAAGG  
CCGTGATTATCACGCTGAGGTATTTAGACCTGTTCTGAGGTCATGATGCTGATCCGGAACCCCGGTC  
CCCATCCTTGCCATGGTCAATGGCTTGGCCACAGCTGCAGGCTGCCAGCTCGTGGCCAGCTGTGATATTG  
CTGTGGCAAGTGACAAGTCTTCTTTGCAACTCCTGGAGTGAATGTTGGACTTTTCTGCTCCACCCCGC  
GGTCGCCCTGGGGAGAGCAGTGCCAGAAAGGTGGCCCTGGAGATGCTCTTTACTGGGGAGCCATTTCT  
GCCAGGAGGCCTTGGCCATGGCTCATCAGCAAAGTGGTACCAGAGGGACAACCTGGAGGCAGAGACCA  
TGAGAAATAGCAAAGAAGATTTCTCTTTGAGCCGCTCTGTGGTGGCGTTGGCAAGGCCACCTTTTACAA  
ACAGCTGCCACAAGACCTTAGAACCGCCTACTTCTCGCCTCCCAGGCCATGGTAGACAACCTGGCCTTG  
CAGGATGGCAGGAAGGAATTGAAGCCTTCATCCAGAAGAGAAAGCCCATCTGGTCACAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204188 representing NM\_024208  
 Red=Cloning site Green=Tags(s)

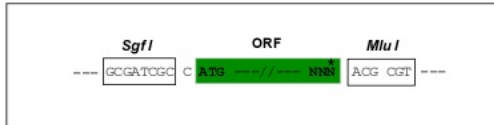
MAVVAGLRAFVKWPSWLRNPWAPLSAGFCSPGSAGPAGESEPRLTSMRQQDGIRNIVLSNPRRRNAL  
 SLAMLKSLRSDILHEAISEDLVIIISAEGPVFSSGHDLKELTDAQGRDYHAEVFQTCSEVMMLIRNHPV  
 PILAMVNLATAAGCQLVASCDIAVASDKSSFATPGVNVGLFCSTPAVALGRAVPRKVALEMLFTGEPIS  
 AQEALRHGLISKVVPQGQLEAETMRIAKKISSLSRSVVALGKATFYKQLPQDLRTAYFLASQAMVDNLAL  
 QDGQEGIEAFIQKRKPIWSH

TRTRPLE - GFP Tag - V

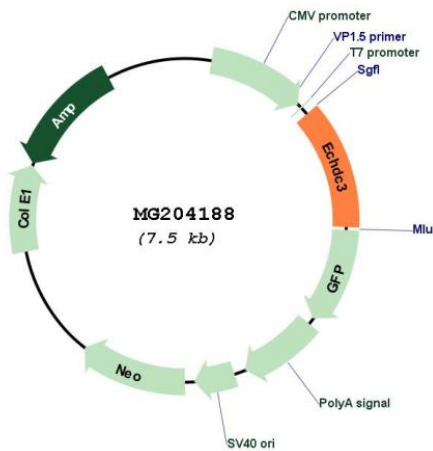
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_024208

**ORF Size:** 900 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_024208.1</a>
<b>RefSeq Size:</b>	1813 bp
<b>RefSeq ORF:</b>	903 bp
<b>Locus ID:</b>	67856
<b>UniProt ID:</b>	<a href="#">Q9D7J9</a>
<b>Cytogenetics:</b>	2 A1
<b>Gene Summary:</b>	May play a role in fatty acid biosynthesis and insulin sensitivity.[UniProtKB/Swiss-Prot Function]