

Product datasheet for MR204188

Echdc3 (NM_024208) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Echdc3 (NM_024208) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Echdc3
Synonyms:	2310005D12Rik; AI662097
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204188 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTGTGGTCGCAGGCCTTCGGGCCTTTGGGGTGAAGTGGCCAGCTGGCTCAGGCGCAACCCATGGG
CCCCTCTCTCCGCCGGCTTCTGCAGCCCAGGGTCAGCAGGACCTGCGGGTGGAGTCAGAGCCAAGGCT
CACCAGCATGCGACAGCAGGACGGAATCAGGAACATTGTCTTAAGCAATCCAGGAGGAGGAATGCGCTG
TCACTGGCCATGCTGAAATCTCTCCGAAGTGACATTCTCACGAAGCTGAAAGTGAAGACCTGAAAGTCA
TTATAATTTAGCCGAGGCGCCAGTGTTTTTCATCTGGACATGATTTGAAAGAGCTGACGGATGCACAAGG
CCGTGATTATCACGCTGAGGTATTTAGACCTGTTCTGAGGTCATGATGCTGATCCGGAACCAACCCGGTC
CCCATCCTTGCCATGGTCAATGGCTTGGCCACAGCTGCAGGCTGCCAGCTCGTGGCCAGCTGTGATATTG
CTGTGGCAAGTGACAAGTCTTCTTTGCAACTCCTGGAGTGAATGTTGGACTTTTCTGCTCCACCCCGC
GGTCGCCCTGGGAGAGCAGTGCCAGAAAGGTGGCCCTGGAGATGCTCTTTACTGGGGAGCCATTTCT
GCCAGGAGGCCTTGGCCATGGCCTCATCAGCAAAGTGGTACCAGAGGGACAACCTGGAGGCAGAGACCA
TGAGAAATAGCAAAGAAGATTTCTCTTTGAGCCGCTCTGTGGTGGCGTTGGGCAAGGCCACCTTTTACAA
ACAGCTGCCACAAGACCTTAGAACCGCCTACTTCTCGCCTCCCAGGCCATGGTAGACAACCTGGCCTTG
CAGGATGGCAGGAAGGAATTGAAGCCTTCATCCAGAAGAGAAAGCCCATCTGGTACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204188 protein sequence
Red=Cloning site Green=Tags(s)

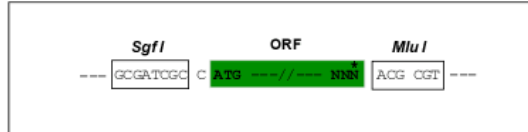
MAVVAGLRAFGVKWPSWLRNPWAPLSAGFCSPGSAGPAGSESEPRLTSMRQQDGIRNIVLSNPRRRNAL
 SLAMLKSLRSDILHEAISEDLVIIISAEGPVFSSGHDLKELTDAQGRDYHAEVFQTCSEVMMLIRNHPV
 PILAMVNLATAAGCQLVASCDIAVASDKSSFATPGVNVGLFCSTPAVALGRAVPRKVALEMLFTGEPIS
 AQEALRHGLISKVVEGQLEAETMRIAKKISSLSRSVVALGKATFYKQLPQDLRTAYFLASQAMVDNLAL
 QDGGQEGIEAFIQKRKPIWSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024208

ORF Size: 903 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_024208.1](#)

RefSeq Size: 1812 bp

RefSeq ORF: 903 bp

Locus ID: 67856

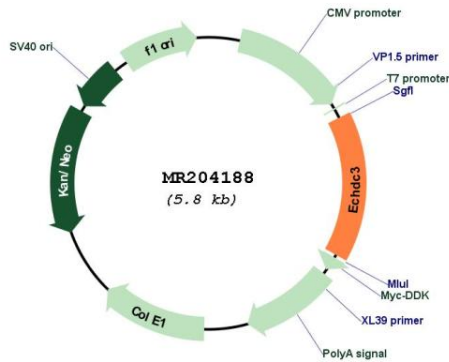
UniProt ID: [Q9D7J9](#)

Cytogenetics: 2 A1

MW: 32.4 kDa

Gene Summary: May play a role in fatty acid biosynthesis and insulin sensitivity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204188