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Product datasheet for RC203685

ECHDC3 (NM_024693) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECHDC3 (NM_024693) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ECHDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC203685 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCCGTCGCCGTCTTGCGGGCCTTCGGGGCAAGTGGGCCCATGTGTCTCCGGCGCGGCCCCTGGG
CCCAGCTCCCCGCCCGCTTCTGCAGCCGGGACCCGGCCGGGGCGGGGCGGCGGGAGTCGGAGCCGCGGCC
CACCAGCGCGCGGCAGCTGGACGGCATAAGGAACATCGTCTTGAGCAATCCCAAGAAGAGGAACACGTTG
TCACTTGCAATGCTGAAATCTCTCCAAAGTGACATTCTTCATGACGCTGACAGCAACGATCTGAAAGTCA
TTATCATCTCGGCTGAGGGGCCTGTGTTTTCTTCTGGGCATGACTTAAAGGAGCTGACAGAGGAGCAAGG
CCGTGATTACCATGCCGAAGTATTTCAGACCTGTTCCAAGGTCATGATGCACATCCGGAACCACCCCGTC
CCCGTCATTGCCATGGTCAATGGCCTGGCCACGGCTGCCGGCTGTCAACTGGTTGCCAGCTGCGACATTG
CCGTGGCGAGCGACAAGTCCTCTTTTGCCACTCCTGGGGTGAACGTCGGGCTCTTCTGTTCTACCCCTGG
GGTTGCCTTGGCAAGAGCAGTGCCTAGAAAGGTGGCCTTGGAGATGCTCTTTACTGGTGAGCCCATTTCT
GCCCAGGAGGCCCTGCTCCACGGGCTGCTTAGCAAGGTGGTGCCAGAGGCGGAGCTGCAGGAGGAGACCA
TGCGGATTGCTAGGAAGATCGCGTCACTGAGCCGTCCGGTGGTGTCCCTGGGCAAAGCCACCTTCTACAA
GCAGCTGCCCCAGGACCTGGGGACGGCTTACTACCTCACCTCCCAGGCCATGGTGGACAACCTGGCCCTG
CGGGACGGGCAGGAGGGTATCACGGCCTTCCTCCAGAAGAGAAAACCTGTCTGGTCACACGAGCCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>RC203685 protein sequence
Red=Cloning site Green=Tags(s)

MAAVAVLRAFGASGPMCLRRGPWAQLPARFCSRDPAGAGRRESEPRPTSARQLDGIRNIVLSNPKKRNTL
SLAMLKSLQSDILHDADSNDLKVIIISAEGPVFSSGHDLKELTEEQGRDYHAEVFQTCSKVMMHIRNHPV
PVIAMVNGLATAAGCQLVASCDIAVASDKSSFATPGVNVGLFCSTPGVALARAVPRKVALEMLFTGEPIS
AQEALLHGLLSKVVPEAELQEETMRIARKIASLSRPVVSLGKATFYKQLPQDLGTAYYLTSQAMVDNLAL
RDGQEGITAFLQKRKPVWSHEPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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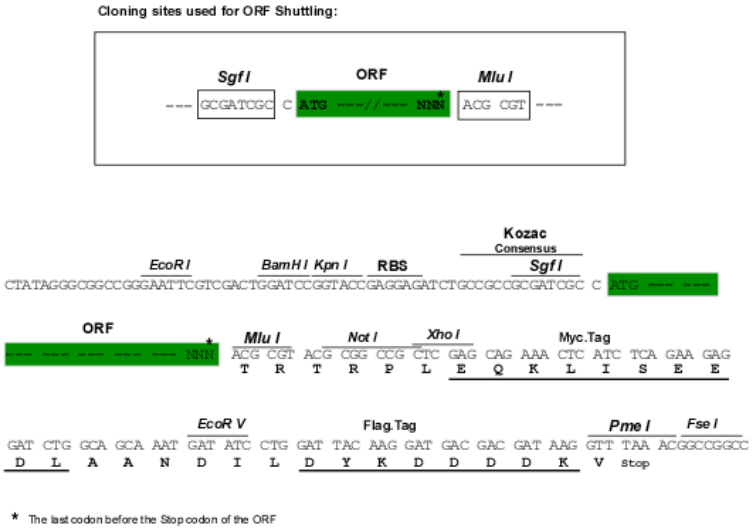
Chromatograms: https://cdn.origene.com/chromatograms/mk6213_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024693

ORF Size: 909 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).

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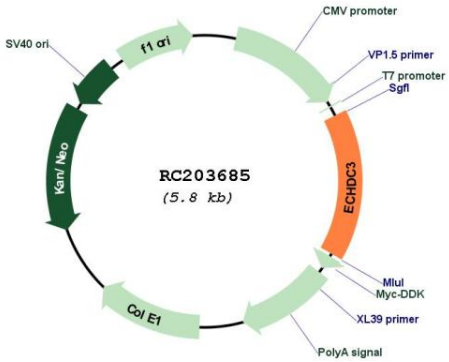
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024693.5
RefSeq Size:	1674 bp
RefSeq ORF:	912 bp
Locus ID:	79746
UniProt ID:	Q96DC8
Cytogenetics:	10p14
Domains:	ECH
MW:	32.7 kDa
Gene Summary:	May play a role in fatty acid biosynthesis and insulin sensitivity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203685

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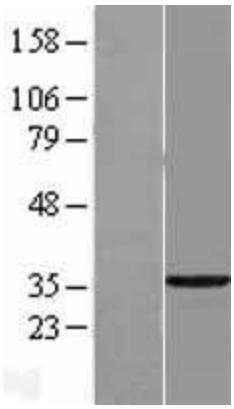
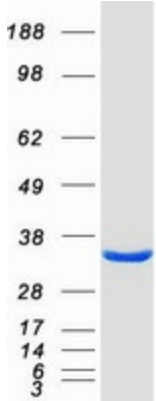


Western blot validation of overexpression lysate (Cat# [LY411153]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203685 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ECHDC3 protein (Cat# [TP303685]). The protein was produced from HEK293T cells transfected with ECHDC3 cDNA clone (Cat# RC203685) using MegaTran 2.0 (Cat# [TT210002]).

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