

Product datasheet for **RG203685**

ECHDC3 (NM_024693) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECHDC3 (NM_024693) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ECHDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203685 representing NM_024693 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCCGTCGCCGCTTTCGGGGCCTTCGGGGCAAGTGGGCCCATGTGTCTCCGGCGCGGCCCTGGG
CCCAGCTCCCGCCCGCTTCTGCAGCCGGGACCCGGCGGGCGGGCGGGAGTCGGAGCCCGGCC
CACCAGCGCGCGCAGCTGGACGGCATAAGGAACATCGTCTTGAGCAATCCCAAGAAGAGGAACACGTTG
TCACTTGCAATGCTGAAATCTCTCCAAAGTGACATTCTTCATGACGCTGACAGCAACGATCTGAAAGTCA
TTATCATCTCGGCTGAGGGGCCGTGTTTTCTTCTGGGCATGACTTAAAGGAGCTGACAGAGGAGCAAGG
CCGTGATTACCATGCCGAAGTATTTAGACCTGTTCCAAGGTCATGATGCACATCCGGAACCAACCCGTC
CCCGTCATTGCCATGGTCAATGGCCTGGCCACGGCTGCCGGCTGTCAACTGGTTGCCAGCTGCGACATTG
CCGTGGCGAGCGACAAGTCCTCTTTGCCACTCCTGGGGTGAACGTCGGGCTCTTCTGTTCTACCCCTGG
GGTTGCCCTTGCAAGAGCAGTGCCTAGAAAGGTGGCCTTGGAGATGCTCTTACTGGTGAGCCATTCTCT
GCCCAGGAGGCCCTGCTCCACGGGCTGCTTAGCAAGGTGGTCCAGAGGCGGAGCTGCAGGAGGAGACCA
TGCGGATTGCTAGGAAGATCGCGTCACTGAGCCGTCGGTGGTGTCCCTGGGCAAAGCCACCTTCTACAA
GCAGCTGCCCCAGGACCTGGGGACGGCTTACTACCTCACCTCCAGGCCATGGTGACAACCTGGCCCTG
CGGGACGGGCAGGAGGTATCACGGCCTTCTCCAGAAGAGAAAACCTGTCTGGTCACACGAGCCAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203685 representing NM_024693
Red=Cloning site Green=Tags(s)

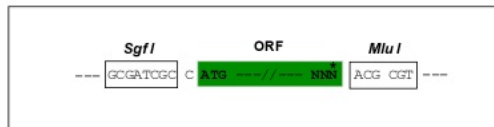
MAAVAVLRAFGASGPMCLRRGPWAQLPARFCSDPAGAGRRESEPRPTSARQLDGIRNIVLSNPKKRNTL
SLAMLSLQSDILHDADSNDLKVIIISAEGPVFSSGHDLEL TEEQGRDYHAEVFQTC SKVMMHIRNHPV
PVIAMVNLATAAGCQLVASCDIAVASDKSSFATPGVNVGLFCSTPGVALARAVPRKVALEMLFTGEPIS
AQEALLHGLLSKVVP EAE LQEETMRIARKIASLSRPVSLGKATFYKQLPQDLGTAYYLT SQAMVDNLAL
RDGQEGITAF LQKRKP VWSHEPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT

- - E E R V Stop

PmeI FseI

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).

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_024693.2](#), [NP_078969.2](#)

RefSeq Size: 1648 bp

RefSeq ORF: 912 bp

Locus ID: 79746

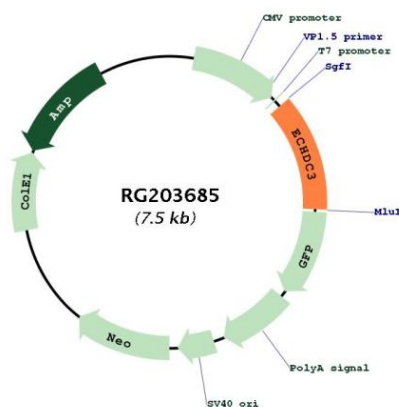
UniProt ID: [Q96DC8](#)

Cytogenetics: 10p14

Domains: ECH

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

Product images:



Circular map for RG203685