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Product datasheet for RC224989

ECHDC1 (NM_001105545) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECHDC1 (NM_001105545) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ECHDC1
Synonyms:	dJ351K20.2; HEL-S-76; MMCD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC224989 representing NM_001105545 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGCTACAACTTCTGGAAAAAGTAATTGAATTGGAAAATTGGACAGAGGGGAAAGGCCTCATTGTCC GTGGGGCAAAAAATACTTTCTCTTCAGGATCTGATCTGAATGCTGTGAAATCACTAGGAACTCCAGAGAC TTCCTTTAATAAGTGTTGCGCTGGTTCAAGGTTGGGCATTGGGTGGAGGAGCAGAATTTACTACAGCATG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC224989 representing NM_001105545 Red=Cloning site Green=Tags(s) MMLQLLEKVIELENWTEGKGLIVRGAKNTFSSGSDLNAVKSLGTPETSFNKCCAGSRLGIGWRSRIYYSM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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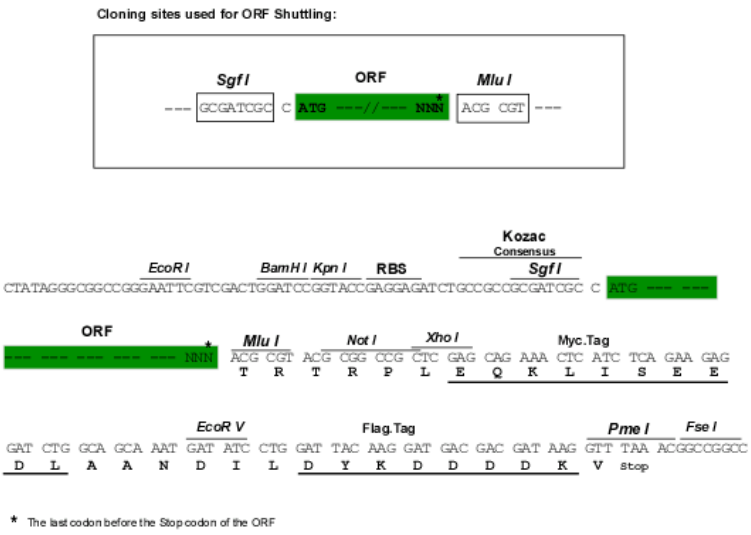
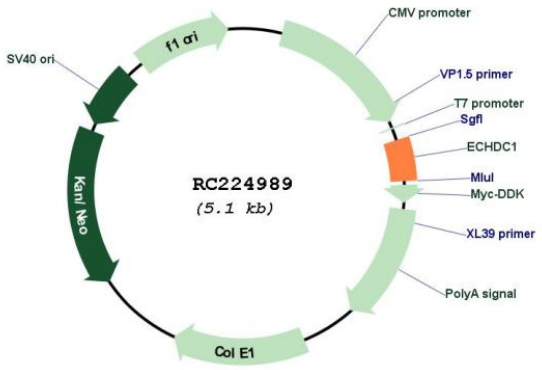
Cloning Scheme:



Plasmid Map:



ACCN: NM_001105545

ORF Size: 210 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_001105545.1, NP_001099015.1
RefSeq ORF:	213 bp
Locus ID:	55862
UniProt ID:	Q9NTX5
Cytogenetics:	6q22.33
MW:	7.6 kDa
Gene Summary:	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]