

Product datasheet for **RR203801**

Echs1 (NM_078623) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Echs1 (NM_078623) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Echs1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203801 representing NM_078623
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCCTGCGTGCTGCTGCCAGAGCCTGCAACTCGCTGTTGTCCCCAGTTCGCTGCCAGAAT
TCCGGCGCTTCGCCTCGGGTACTAACTTTCAGTACATCATCACGAAAAGAAAGAAAGAATAGCAGCGT
GGGGCTGATCCAGTTGAACCGTCCAAAGCACTCAATGCACCTTTGCAATGGACTGATTGAGGAGCTCAAC
CAAGCACTGGAGACCTTTGAGGAAGATCCCGCTGTGGCGCCATTGTGCTCACTGGTGGGAGAAGGCCT
TTGAGCCCGGAGCTGACATCAAGGAAATGCAGAACCGGACATTTTCAGGACTGTTACTCAGCAAGTTCCT
GAGCCACTGGGACCATATCACCCGGATCAAGAAACCGGTCATCGCGGCTGTCAATGGCTATGCTCTTGGT
GGGGGCTGTGAACCTGCCATGATGTGCGATATCATCTATGCTGGTGAAGAAAGCCAGTTTGGACAGCCAG
AAATCCTCCTGGGACCATCCCAGGTGCAGGGGCACTCAGAGACTCACCCGAGCAGTCGGCAAATCACT
AGCAATGGAGATGGTCTCACTGGTGACCGAATTTTCAGCACAGGATGCCAAGCAAGCAGGCTTGTAAAGC
AAGATTTTCCCCTTGAACACTGGTTGAAGAGCCATCCAATGTGCAGAAAAGATCGCCAACAATTCCA
AGATCATAGTAGCCATGGCGAAAGAATCTGTGAATGCAGCCTTTGAAATGACGTTAACAGAAGGAAATAA
GCTGGAGAAGAAGCTTCTATTCCACCTTTGCCACTGATGACCCGAGAGAAGGGATGTCTGCCTTTGTG
GAGAAAAGGAAGGCCAACTTCAAAGACCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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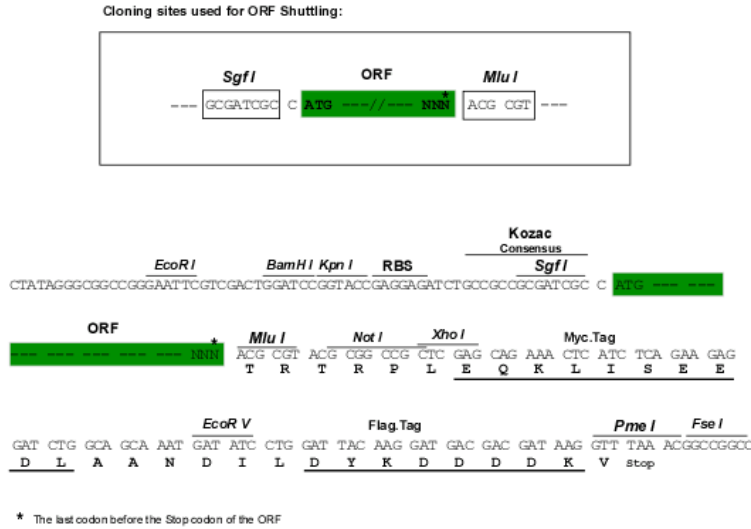
Protein Sequence: >RR203801 representing NM_078623
Red=Cloning site Green=Tags(s)

MAALRALLPRACNSLLSPVRCPEFRRFASGANFQYIITEKKGKNSVGLIQLNRPKALNALCNGLIEELN
 QALETFEEDPAVGAIVL TGGEKAFAGAADIKEMQNRTFQDCYSGKFLSHWDHITRIKKPVI AAVNGYALG
 GGCELAMMCDIIYAGEKAQFGQPEILLGTIPGAGGTQRL TRAVGKSLAMEMVL TGDRISAQDAKQAGLVS
 KIFPVETLVEEAIQCAEKIANNKIIIVAMAKESVNAAFEMTLTEGNKLEKKLFYSTFATDDRRREGMSAFV
 EKRRKANFKDH

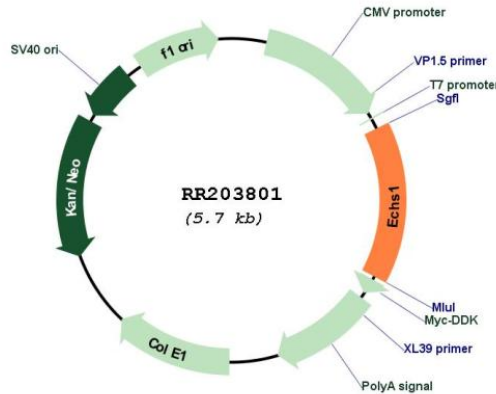
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_078623

ORF Size:	870 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:	<ol style="list-style-type: none">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_078623.2 , NP_511178.1
RefSeq Size:	1560 bp
RefSeq ORF:	873 bp
Locus ID:	140547
UniProt ID:	P14604
Cytogenetics:	1q41
MW:	31.5 kDa
Gene Summary:	catalyzes the conversion of (3S)-3-hydroxyacyl-CoA to trans-2(or 3)-enoyl-CoA and H2O in fatty acid beta-oxidation [RGD, Feb 2006]