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Product datasheet for SC202314

ECH1 (NM_001398) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ECH1 (NM_001398) Human 3' UTR Clone
Symbol:	ECH1
Synonyms:	HPXEL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001398
Insert Size:	221 bp
Insert Sequence:	>SC202314 3'UTR clone of NM_001398 The sequence shown below is from the reference sequence of NM_001398. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGAAAACCGTCACCTTCTCCAAGCTCTGAGAGCCCTCGCGTCCCAGGCCCCAGCCAGGGGGCCGGCCT TGTCCCGCCTCATCCACAGAAAGGGAGGATGGGCGATGACAGTTGTTTCTATGCCTTCTGACCCAGTTT CCCAGTTTATAACTTTATGACAATGAGTTTCTCAAGCCCAAGGCCTTATCTTCACCCCACAAACAATAA AGCAAAGTAAAGAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001398.3

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Summary: This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq, Jul 2008]

Locus ID: 1891

MW: 8.3