

Product datasheet for **RN204349**

Tmlhe (NM_133387) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmlhe (NM_133387) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmlhe
Synonyms:	Tmlh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204349 representing NM_133387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGTACCATAAGTTGTTGCACCAACAAAGCAGGCTCCAGAATTGATGAAGAGAGGAGACATAGCTC
 ACGGTCCTCGTCTGTCCGGCTTTAAAAGTTTATTTCCATTTTCGCTCCATTGGTGCATACGGCTTCCAA
 GTCTGTGAATTGACTTGGCACCACATGAAGATCATTTGGAGCTGGGGACCAAAACCCAGGGCCTTGCGC
 TTGCTAGAACTGCAATATGCCAGCACTGTGATGCGCTTCGATTATGTCTGGCTTCGAGACCACTGCCGT
 CAGCCTCGTGCTATAATTCTAAGACTCACCAGCGGAGCCTGGACACTGCCAGTGTGGATTTATGCATTAA
 GCCAAAGACGATTCTGCTGGATGAAAGTACACTCTTTTCACTTGGCCAGATGGTCATGTGACTAGATAC
 GACCTGGATTGGCTGGTAAAAACAGCTACGAAGGGCAGAAGCAGGAGGTATCCAACCCAGGGTGTGT
 GGAACGCCAAGCTCTACCAGGACGCCAGCTTCCGTCTGTTGATTCCAGGGTTCTTGAAACAAAGGA
 AGGACTGAAGAAGTTTCTGCAGAACTTTCTGCTCTACGGAATTGGTTTTGTAGAAAATGTCCCTCCCACT
 CAGGAGCACACGAAAAGCTGGCACGAAGGGTCAGCCTAATCAGAGAAACATTTATGGAAGGATGTGGT
 ATTTACGTCAGACTTTCCAGAGGTGACACTGCGTACACCAAGCTAGCCCTAGATCGCCATACCGATAC
 CACCTACTTTCAAGAGCCCTGTGGCATTCAAGTATTTCAATTGTCTTAAGCACGAAGGAACAGGTGGCAGG
 ACACTGTTGGTGGATGGATTCTATGCAGCGCAACAAGTACTCCAAAGAGCACCTGAGGAATTTGACCTCC
 TCAGCCAAGTACCATTGAAGCATGAATATATTGAAAATGTTGGACAATGTCACAATCACATGATAGGGGT
 TGGACCATCTTAAATATCTACCCATGGAATAAGGAGCTGATTTGATCAGGTACAACAACACTACGACAGG
 GCTGTCTCAACTGTGCCTTACGACGTTGTCGGTCTGGTATGCAGCACACCGAACCCCTAACGACTG
 AACTGAGAAGGCTGAGAATGAACTTTGGTCAAACCTGAAGCCTGGAAAGGTACTATTTATAGACAACTG
 GCGAGTCCTTACGGCAGGGAGTCATTCACCTGGCTACCGTCAACTGTGTGGCTGCTATTTGACTAGAGAT
 GATGTAAGTACTGCTCGAATTCTAGGTCTTCATGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133387

Insert Size: 1302 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_133387.2](#), [NP_596878.2](#)

RefSeq Size: 1517 bp

RefSeq ORF: 1302 bp

Locus ID: 170898

UniProt ID: [Q91ZW6](#)

Cytogenetics: 20p12

Gene Summary: first enzyme in the carnitine biosynthesis pathway; plays an important role in the transport of fatty acids across the inner mitochondrial membrane [RGD, Feb 2006]