

Product datasheet for **MR206690**

Tmlhe (NM_138758) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmlhe (NM_138758) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmlhe
Synonyms:	Bbox2; D430017M14Rik; TMLH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206690 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGTACCATAAGTTGTTGCACCAACAAAGCAGGCTCCGTAATTTGATGAAGAGAGGAAACATAGCTC
 AAGGTCTTCATCTGTCCAACCTTTAAAAGTTTATTTTCATCATCCATCCATTGGTGCCATACAACCTCCAA
 GTCTGTGAACTGTACTTGGCACCAACATGAAGATCATTTGGAAGTCAATATGCTGGCACTGTGATGCGC
 TTTGATTATGTCTGGCTTCGAGACCATTGCCGCTCAGCATCATGTATAATTCTAAGACTCACCAGCGGA
 GCCTGGACACTGCCAGTGTGGATTTATGTATTAAGCCAAAGACAGTTCATCTGGATGAAACTATGCTCTT
 TTTCACTTGGCCAGATGGTCATGTGACTAGATATGATCTGGATTGGCTGGTGAAAAACAGTTATGAAGGG
 CAGAAACAAAAGTTATCCAACCTAGAATATTATGGAATTCTAACTCTACCAGCAAGCCCAAGTCCAT
 CTGTTGATTTCCAGTGTCTTTTAGAAACAAATGAAGGGTTGAAGAAGTTTCTGCAGAACTTTTGTGTA
 TGGAAATGCATTTGTAGAAAATGTCCTCCCACTGAAGAGCATACAGAAAAATTGGCAGAAAGGATTAGC
 TTAATCAGAGAAACCATCTATGGAAGGATGTGGTATTTCACTTCAGATTTTTCCAGAGGTGACACTGCAT
 ACACCAAGCTAGCTCTAGACCGGCATACTGACACTACCTACTTTCAAGAGCCCTGTGGCATTCAAGTATT
 TCATTGTCTTAAGCATGAAGGAACAGGTGGTAGAACACTGTTAGTGGATGGATTCTATGCAGCACAACAA
 GTACTTCAAAAAGCACCTGAGGAATTTGAACTCCTCAGCAAAGTACCATTGAAGCATGAATATATTGAAA
 ATGTTGGACAATGTCACAATCACATGATTGGGGTTGGGCCATCTAAATATTTACCCATGGAATAAAGA
 GCTGTATTTGATCAGGTACAACACTATGACAGGGCTGTCATCAACACTGTGCCTTATGATGTTGCCAT
 CGTTGGTATACAGCACACCGAACCTAACAACTGAATTGAGAAGGCCTGAGAATGAGCTTTGGGTCAAAT
 TGAAGCCTGAAAAGGTACTATTTATAGACAACCTGGCGAGTACTTCATGGCAGGGAATCATTCACTGGCTA
 CCGTCAACTCTGTGGCTGCTATTTAACTAGAGATGATGATTGAATACTGCTCGTCTCTGGGTCTTCAT
 GCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206690 protein sequence
 Red=Cloning site Green=Tags(s)

MWYHKLHQQSRLRNLKRGNIAQGLHLSNFKSLFSSSIHWCHTTSKSVNCTWHQHEDHLELQYAGTVMR
 FDYVWLRDHCRSASCYNSKTHQRSLDTASVDLCIKPKTVHLDLTMFFTWPDGHVTRYDLWLVKNSYEG
 QKQKVIQPRILWNSKLYQQAQVPSVDFQCFLQETNEGLKFLQNFLLYGIQAFVENVPTEEHEKLAERIS
 LIRETIYGRMWFYTSDFSRGDTAYTKLALDRHTDITYFQEPGCIQVFHCLKHEGTGGRTLLVDGFYAAQQ
 VLQKAPEEFELLKVPKHEYIENVGQCHNHMIGVGPILNIYPWNKELYLIRYNNYDRAVINTVPYDVVH
 RWYTAHRTLTTTELRRPENELWVCLKPGKVLFDINWRVLHGRESFTGYRQLCGCYLTRDDVLTARLLGLH
 A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_138758

ORF Size: 1266 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_138758.2](#)

RefSeq Size: 2264 bp

RefSeq ORF: 1266 bp

Locus ID: 192289

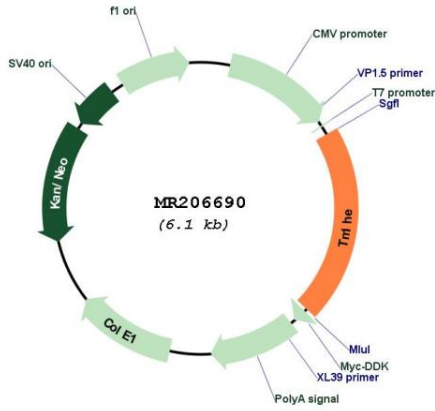
UniProt ID: [Q91ZE0](#)

Cytogenetics: X

MW: 49.6 kDa

Gene Summary: Converts trimethyllysine (TML) into hydroxytrimethyllysine (HTML).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206690