

Product datasheet for **MG206690**

Tmlhe (NM_138758) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmlhe (NM_138758) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmlhe
Synonyms:	Bbox2; D430017M14Rik; TMLH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206690 representing NM_138758 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGTACCATAAGTTGTTGCACCAACAAAGCAGGCTCCGTAATTTGATGAAGAGAGGAAACATAGCTC
AAGGTCTTCATCTGTCCAACCTTTAAAAGTTTATTTTCATCATCCATCCATTGGTGCCATACAACCTCCAA
GTCTGTGAACTGTACTTGGCACCAACATGAAGATCATTGGAAGTCAATATGCTGGCACTGTGATGCGC
TTTGATTATGCTGGCTTCGAGACCATTGCCGCTCAGCATCATGTATAATTCTAAGACTCACCAGCGGA
GCCTGGCACTGCCAGTGTGGATTTATGTATTAAGCCAAAGACAGTTCATCTGGATGAAACTATGCTCTT
TTTCACCTGGCCAGATGGTCATGTGACTAGATATGATCTGGATTGGCTGGTAAAAACAGTTATGAAGGG
CAGAAAACAAAAGTTATCCAACCTAGAATATTATGGAATTCCTAACTCTACCAGCAAGCCCAAGTCCAT
CTGTTGATTTCCAGTGCTTTTTAGAAAACAAATGAAGGGTTGAAGAAGTTTCTGCAGAACTTTTTGCTGTA
TGAATTCGATTTGTAGAAAATGTCCTCCCACTGAAGAGCATACAGAAAAATTGGCAGAAAAGGATTAGC
TTAATCAGAGAAACCATCTATGGAAGGATGTGGTATTTCACTTCAGATTTTTCCAGAGGTGACACTGCAT
ACACCAAGCTAGCTCTAGACCGGCATACTGACACTACCTACTTTCAAGAGCCCTGTGGCATTCAAGTATT
TCATTGTCTTAAGCATGAAGGAACAGGTGGTAGAACACTGTTAGTGGATGGATTCTATGCAGCACAAACA
GTACTTCAAAAAGCACCTGAGGAATTTGAACTCCTCAGCAAAGTACCATTGAAGCATGAATATTTGAAA
ATGTTGGACAATGTCACAATCACATGATTGGGGTTGGGCCATCTTAAATATTTACCCATGGAATAAAGA
GCTGTATTTGATCAGGTACAACAACTATGACAGGGCTGTCATCAACACTGTGCCTTATGATGTTGCCAT
CGTTGGTATACAGCACACCGAACCTAACAACTGAATTGAGAAGGCCCTGAGAATGAGCTTTGGGTCAAAT
TGAAGCCTGAAAAGTACTATTTATAGACAACCTGGCGAGTACTTCATGGCAGGGAATCATTCACTGGCTA
CCGTCAACTCTGTGGCTGCTATTTAACTAGAGATGATGTATTGAATACTGCTCGTCTCCTGGGTCTTCAT
GCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206690 representing NM_138758
 Red=Cloning site Green=Tags(s)

MWYHKLLHQQSRLRNLMKRGNIAQGLHLSNFKSLFSSSIHWCHTTSKSVNCTWHQHEDHLELQYAGTVMR
 FDYVWLRDHCRSASCYNSKTHQRSLDTASVDLCKPKTVHLDETMLFFTPDGHVTRYDLDLWLVKNSYEG
 QKQKVIQPRILWNSKLYQQAQVPSVDFQCFLFETNEGLKKFLQNFLLYGI AFVENVPPTTEEHTKLAERIS
 LIRETIYGRMWYFTSDFSRGDTAYTKLALDRHTDITYFQEPGCIQVFHCLKHEGTGGRTLLVDGFYAAQQ
 VLQKAPEEFELL SKVPLKHEYIENVGQCHNHMIGVGPILNIYPWNKELYLIRYNNYDRAVINTVPYDVVH
 RWYTAHRTLTTTELRRPENELWVKLKPQKVLVIDNWRVLHGRESFTGYRQLCGCYLTRDDVLTARLLGLH
 A

TRTRPLE - GFP Tag - V

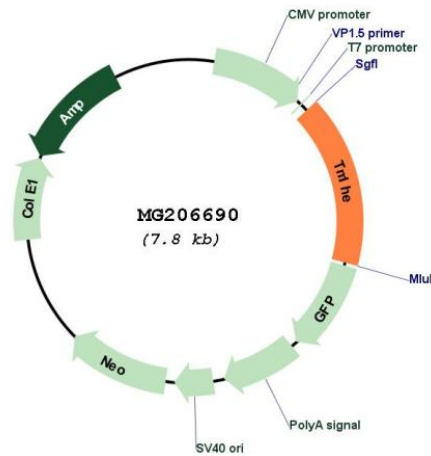
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_138758

ORF Size:	1263 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_138758.2
RefSeq Size:	2264 bp
RefSeq ORF:	1266 bp
Locus ID:	192289
UniProt ID:	Q91ZE0
Cytogenetics:	X
Gene Summary:	Converts trimethyllysine (TML) into hydroxytrimethyllysine (HTML).[UniProtKB/Swiss-Prot Function]