

Product datasheet for **MG207694**

Letm2 (BC055685) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Letm2 (BC055685) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Letm2
Synonyms:	6030453H13; D030041N04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207694 representing BC055685
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTTCTACAGTTATAATTCATTCTTAGCTATTTCTGGACAAGACTGCCTGGCCATTCTGTGTACC
 CTTCTGCTCTCATTTCATCACTTGCATTTCTCCACTTGCCAGATTCTCACTTGGTACAGCCTACAT
 TAAAACTGCGGAAGCAGGAAGTACTCCTATCCCAGTCTAACAGCAATAATAAAGTCCATCCCTTACGG
 ACCAGGCTCCACAAAACTGCACACAACCTGCTGGCTACAACATGTCCCTGGCAAACCTCAGCTGGAGC
 AAACAGGGAAGCCAAAGGCAGCAAGCCCTCAGCCTACCAAAGAAGCCAAGACAGAGACTACAGAAGAAA
 GCGGTCGTTGAGACAAAAATTGTGAATGAACTTAAATACTATTACAAAGGATTCAGCTTGTGGATT
 GACACCAAAGTCGCTGCCAGAATAGTGTGGAGGCTACTGCATGGTAATGCGCTAACAGACGAGAGAGGC
 GAAGGCTGTTGAGAACGTGTGCCGATGTCTCCGCTTGGTTCATTTATGGTGTTCATAATTGTACCTTT
 TATGGAGTCTTGATACCACTGTTCTGAAGCTCTCCAGACATGTTGCCATCACTTTTGAAAGTGAA
 TCCAAAAAGGAAGAAAAACAGAAAAAACGATGGCTGCCAAACTGGAAATAGCAAAATCCCTCAAGAAA
 CAATGACAGAGATGGCGAGGAGAAACCGAGCGAAGCTGGGAGATGCATCTTCCAGCTTTCCTCCTATGT
 GAAACAGGTCCAAACAGGTCAACAAGCCCTCACGAAGGAGATAGTTAGGTTCTCCAAACTCTCAAGGAT
 CAGTTAGCCCTGGAACTTAGACCGGCCCCAGCTGGTTGCCCTGTGCAAGCTGTGGAAGTGCAGACCT
 TCGGAACAAACAATCTGCTCCGCTTCCAGCTCCTGATGACACTGAAGTCTATAAAAGCAGATGATGAAAT
 AATTGCCAAAGAAGGGGTGAAGGCTTTGAGTGTGCAGAACTGCAGTCTGCGTGCCGGGCCGGGGGATG
 AGGTCGCTGGCCCTCACTGAGGAGCAACTGTGCCAGCAGCTCACAGGGTGGCTGGACCTCCAATTGAAG
 AGAAGTCCCTCCTTCTTTTGTCTCCTGTCGCGCACCTTCTACCTGATAGATGTGAAGCCAAAGCCTAT
 TGAAGTCCACCGAATATAGAGACTCCAAAGCCAAACCTTGAATACCGACACCTCCACCCCGAGTCA
 AAGGAGAACCTCAGACTCTGCACCTCAGCTGAAGGGAACGAAGGATGAAGAATTTATACTCAACTGCCCC
 CAGTACCGTCATCACTCATAGCACCAGCAGCAACTATTTCCAAAGAAGCAATCCTCCAGGCCAAGTCCCA
 GGAGACCTCACAGAACAGCAAGGCTGATTCCAAAGGAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207694 representing BC055685
 Red=Cloning site Green=Tags(s)

MAFYSYNSFLAIFWTRLPGHSVYPSCSHFPLAFLHLPDShLRTAYIKNCGSRKYSYPSLTGNNKVHPLR
 TRLPQKLHTTCWLQHVPGKPQLEQTGKPKAASPQPTKEAKTETTEEKRSRQKIVNELKYYYKGFSLWLI
 DTKVAARIVWRLLHGNAITRRERRRLLRTCADVFRLVPMVFIIVPFMEFLIPVFLKLPDMLPSTFESE
 SKKEEKQKKTMAAKLEIAKFLQETMTEMARRNRAKLGDAASSQLSSYVKQVQTGHKPSTKEIVRFKLFKD
 QLALEHLDRPQLVALCKLLELQTFGTNNLLRFQLLMTLKSIAKADDEIIAKEGVKALSVSELQSACRARGM
 RSLGLTEQLCQQLTGWLDLHLKENVPPSLLLLSRTFYLDVKKPKPIELPPNIETPKPNLGIPTPPPPES
 KENLTD SAPQLKGTKDEEFIQLPPVPSSLIAPAATISKEAILQAKSQETSQNSKADSKGA

TRTRPLE - GFP Tag - V

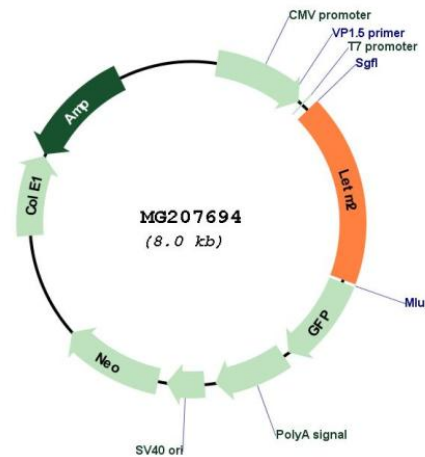
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC055685

ORF Size: 1442 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: [BC055685](#), [AAH55685](#)

RefSeq Size: 2113 bp

RefSeq ORF: 1442 bp

Locus ID: 270035

Cytogenetics: 8 A2