

Product datasheet for **MG203578**

Lime1 (NM_023684) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lime1 (NM_023684) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lime1
Synonyms: 2810038K19Rik; LIME
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203578 representing NM_023684
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCCACCAAGTGCCTTCAGCCCCACTAGCTCTCTGGGTCCTGGGCTGCTTCTCCCTGCTCCTTTGGC
 TATGGGCACTGTGCACAGCCTGCCACAGGAAGAGAGCTCAGAGGCAGCAAAGTGGGCTGCAGGACAGTTT
 GGTACCAGTGAAATGCCACTGCTGAGACAGACCCACCTCTGCTCCCTCAGCAAGTCTGACACCAGACTG
 CATGAGCTGCACCGAGGCCACGCTCCAGCATAGCCCCACGGCCTGCTAGCATGGATCTTCTGCATCCAC
 GCTGGCTAGAGATGTCCAGGGGACAGCACCAGGTCTCAGGTACCCAACTCTGCCTTCCACCACGGCAGCT
 GCCCAGGGCCCTCCTGCTGCTCCTGCAACTGCACCTTCTACTAGCTCTGAGGCCACTTATTCCAATGTG
 GGGCTGGCTGCAATTCAGGGCCAGCCTGGCTGCTAGCCCTGTGGTGTGGGCTGGAACACAGCTGACCA
 TTAGTTGTGCCAGGCTTGGTCTGGGGCCGAATATGCCTGCATCCAGAAGCACAAGGGACAGAGCAAGG
 CTGCCAAGAAATTCAGCAGAAGGCTAAGGTGATCCAGCTACTCAGATGGACGTCCTATACTCTAGGGTT
 TGCAAGCCTAAAAGAAGAGACCCAAGACCCGTCACAGACCAGCTGAACCTGCAGGATGGGAGAACAAGTC
 TGCCGCTTGGGAGTGATGTGGAGTACGAGGCCATCAATCTCAGGGGCCAGGATATGAAGCAAGGGCCCTT
 AGAAAATGTGTATGAAAGCATCAAGGAGATGGGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG203578 representing NM_023684
Red=Cloning site Green=Tags(s)

MRPPVPSAPLALWVLGCFSLLLWLWALCTACHRKRAQRQQTGLQDSLVPVEMPLL RQTHLCSLSKSDTRL
 HELHRGPRSSIAPRPASMDLLHPRWLEMSRGSTRSQVPNSAFPPRQLPRAPPAAPATAPSTSSEATYSNV
 GLAAIPRASLAASPVVWAGTQLTISCARLGPGEYACIQKHKGTEQGCQELQKAKVIPATQMDVLYSRV
 CKPKRRDPRPVTQNLNLQDGRSLPLGSDVEYEAINLRGQDMKQGPLENVYESIKEMGL

TRTRPLE - GFP Tag - V

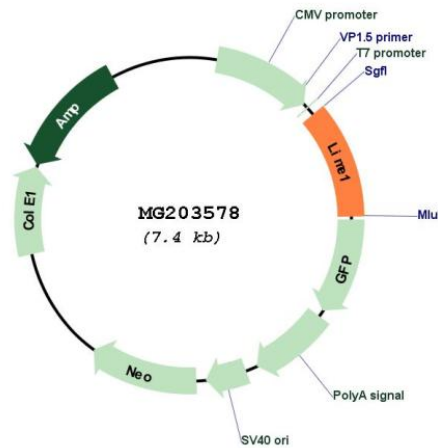
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_023684

ORF Size: 807 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_023684.2 , NP_076173.1
RefSeq Size:	1987 bp
RefSeq ORF:	810 bp
Locus ID:	72699
UniProt ID:	Q9EQR5
Cytogenetics:	2 H4
Gene Summary:	Involved in BCR (B-cell antigen receptor)-mediated signaling in B-cells and TCR (T-cell antigen receptor)-mediated T-cell signaling in T-cells. In absence of TCR signaling, may be involved in CD4-mediated inhibition of T-cell activation. Couples activation of these receptors and their associated kinases with distal intracellular events such as calcium mobilization or MAPK activation through the recruitment of PLCG2, GRB2, GRAP2, and other signaling molecules. [UniProtKB/Swiss-Prot Function]