

Product datasheet for MR203578

Lime1 (NM_023684) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lime1 (NM_023684) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lime1
Synonyms:	2810038K19Rik; LIME
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203578 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCACCACTGCCTTCAGCCCCACTAGCTCTCTGGGTCCTGGGCTGCTTCTCCCTGCTCCTTTGGC
TATGGGCACTGTGCACAGCCTGCCACAGGAAGAGAGCTCAGAGGCAGCAAAGCTGGGCTGCAGGACAGTTT
GGTACCAGTGAAATGCCACTGCTGAGACAGACCCACCTCTGCTCCCTCAGCAAGTCTGACACCAGACTG
CATGAGCTGCACCGAGGCCACGCTCCAGCATAGCCCCACGGCTGCTAGCATGGATCTTCTGCATCCAC
GCTGGCTAGAGATGTCCAGGGGCAGCACCAGGTCTCAGGTACCCAAGTCTGCCTTCCACCACGGCAGCT
GCCAGGGCCCTCCTGCTGCTCCTGCAACTGCACCTTCTACTAGCTCTGAGGCCACTTATTCCAATGTG
GGGCTGGCTGCAATTCAGGGCCAGCCTGGCTGCTAGCCCTGTGGTGTGGGCTGGAACACAGCTGACCA
TTAGTTGTGCCAGGCTTGGTCTGGGGCCGAATATGCCTGCATCCAGAAGCACAAGGGCAGAGCAAGG
CTGCCAAGAATTGCAGCAGAAGGCTAAGGTGATCCAGCTACTCAGATGGACGTCCTATACTCTAGGGTT
TGCAAGCCTAAAAGAAGAGACCCAAGACCCGTCACAGACCAGCTGAACCTGCAGGATGGGAGAACAAGTC
TGCCGCTTGGGAGTGATGTGGAGTACGAGGCCATCAATCTCAGGGCCAGGATATGAAGCAAGGGCCCTT
AGAAAATGTGTATGAAAGCATCAAGGAGATGGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR203578 protein sequence
 Red=Cloning site Green=Tags(s)

MRPPVPSAPLALWVLCFSLLLWALCTACHRKRAQRQQTGLQDSLVPVEMPLL RQTHLCSLSKSDTRL
 HELHRGPRSSIAPRPASMDLLHPRWLEMSRGSTRSQVNSAFPPRQLPRAPPAAPATAPSTSSEATYSNV
 GLAAIPRASLAASPVVWAGTQLTISCARLGPGA EYACIQKHKGTEQGCQELQQKAKVIPATQMDVLYSRV
 CKPKRRDPRPVT DQLNLQDGR TSLPLGSDVEYEAINLRGQDMKQGPLENVYESIKEMGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023684

ORF Size: 810 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_023684.2](#), [NP_076173.1](#)

RefSeq Size: 1987 bp

RefSeq ORF: 810 bp

Locus ID: 72699

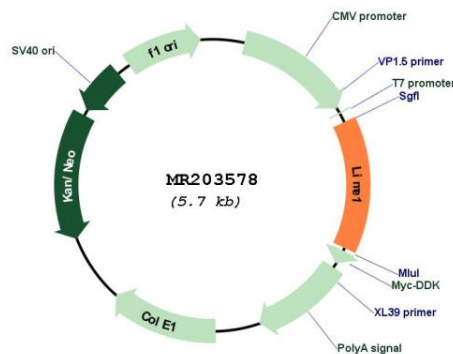
UniProt ID: [Q9EQR5](#)

Cytogenetics: 2 H4

MW: 29.6 kDa

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]

Product images:



Circular map for MR203578