

Product datasheet for MC213126

Lrrc55 (NM_001033346) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc55 (NM_001033346) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lrrc55
Synonyms: A330097E02Rik; Gm351
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC213126 representing NM_001033346
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCCCTACAGCACTGCTGCTGCCAGCTGCCAAGATGGGTGACACCTGGGCCCAACTTCCCTGGC
 CTGGGCCTCCCACTCAGCCTTGTGCTGGTCTTCTTCTTGGCAGCTGGGGTATGCACTCTGATGC
 GGGTACCAGTTGCCAGTCCCTTTGTACATGTCGTAACCAAGTAGTGGACTGCAGCAACCAGCGGCTGTT
 TCTGTACCCCGGACCTGCCAATGGACACCCGCAACCTCAGCCTAGCCACAATCGCATTGCAGCTGTAC
 CGCCAGGCTATCTCACATGCTACATGGAACCTCCGCGTGTGGATTTGCGAAACAACCTCCTTGATGGAGCT
 GCCCCCTGGCCTTTTCTCCACGCCAAGCGCTTAGCACACCTGGATCTAAGCTACAACAACCTCAGTCAT
 GTGCCAGCTGACATGTTCCGGGAAGCTCATGGACTGGTACATATCGACCTGAGCCACAACCCCTGGCTGC
 GGAGGGTGACCCCGAGGCTTCCAGGGCCTTGTGCATCTCAGAGACCTGGACCTCAGCTATGGCGGCT
 GGCTTTTCTGAGCCTTGAAGCCCTTGAAGGCTCCAGGGCTGGTGACCTACAGATCGGGGTAACCCA
 TGGGTATGTGGCTGCACCATGGAGCCCTTGCTGAAGTGGCTGCGGAATCGGATACAGCGCTGTACAGCGG
 ATTCTCAGCTTGCTGAGTGTGCGGGACCCCTGAAGTTGAGGGTGCCCCCTCTTTTCACTCACTGAAGA
 GAGCTTCAAGGCTGCCACCTGACTCTGACCCTGGATGATTACCTTTCATCGCATTGTGGGCTTTGTG
 GTCTCCATCGTTCTGTAGCCACCAACTTCTCTGCGCATCACGGCAACTGTTGTACCGTTGGAGCA
 AGGCTAATGAAGAAGAAGAGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033346
Insert Size: 936 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001033346.2](#), [NP_001028518.1](#)

RefSeq Size: 2900 bp

RefSeq ORF: 936 bp

Locus ID: 241528

UniProt ID: [Q3UY51](#)

Cytogenetics: 2 D

Gene Summary: Auxiliary protein of the large-conductance, voltage and calcium-activated potassium channel (BK alpha). Modulates gating properties by producing a marked shift in the BK channel's voltage dependence of activation in the hyperpolarizing direction, and in the absence of calcium (By similarity).[UniProtKB/Swiss-Prot Function]