

## Product datasheet for MR217267

### Lrrc55 (NM\_001033346) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc55 (NM\_001033346) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lrrc55  
**Synonyms:** A330097E02Rik; Gm351  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217267 representing NM\_001033346  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCTCCCTACAGCACTGCTGCTGCCAGCTGCCAAAGATGGGTGACACCTGGGCCCAACTTCCCTGGC  
 CTGGGCCCTCCCACTCAGCCTTGTGCTGGTCTTCTTCTCTTGGCAGCTGGGGTGATGCACTCTGATGC  
 GGGTACCAGTTGCCAGTCCCTTTGTACATGTCGTAACCAAGTAGTGGACTGCAGCAACCAGCGGCTGTTC  
 TCTGTACCCCGGACCTGCCAATGGACACCCGCAACCTCAGCCTAGCCACAATCGCATTGCAGCTGTAC  
 CGCCAGGCTATCTCACATGCTACATGGAACCTCCGCGTGTGGATTGCGAAACAACCTCTTGATGGAGCT  
 GCCCCTGGCCTTTTCTCCACGCCAAGCGCTTAGCACACCTGGATCTAAGCTACAACAACCTCAGTCAT  
 GTGCCAGCTGACATGTTCCGGGAAGCTCATGGACTGGTACATATCGACCTGAGCCACAACCCTGGCTGC  
 GGAGGGTGACACCCAGGCCCTTCCAGGGCCTTGTGCATCTCAGAGACCTGGACCTCAGCTATGGCGGCT  
 GGCTTTTCTGAGCCTTGAAGCCCTTGGAGGGCTCCAGGGCTGGTGACCTACAGATCGGGGTAACCCA  
 TGGGTATGTGGCTGCACCATGGAGCCCTTGTGAAGTGGCTGCGGAATCGGATACAGCGCTGTACAGCGG  
 ATTCTCAGCTTGCTGAGTGTGCGGGACCCCTGAAGTTGAGGGTGCCCCCTCTTTTCACTCACTGAAGA  
 GAGCTTCAAGGCCTGCCACCTGACTCTGACCCTGGATGATTACCTCTTCATCGCATTGTGGGCTTTGTG  
 GTCTCCATCGCTTCTGTAGCCACCAACTCCTCCTGGGCATCACGGCCAACCTGTTGTCACCGTTGGAGCA  
 AGGCTAATGAAGAAGAAGAGATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217267 representing NM\_001033346  
 Red=Cloning site Green=Tags(s)

MGSLQHCCQLPKMGDTWAQLPWP GPPHSALLLVFFLLAAGVMHSDAGTSCPVLCTCRNQVVDSCNQRLF  
 SVPPDLPMDTRNLSLAHNRIA AVPPGYLTCY MELRVLDLRNNSLMELPPGLFLHAKRLAHLDLSYNNLSH  
 VPADMFR EAHGLVHIDL SHNPWLR RVHPQAFQGLVHLRDLDSL YGGLAFLSLEALEGLPGLVTLQIGGNP  
 WVCGCTMEPLLKWLNRRIQRCTADSQLAECRGPPEVEGAPLFSL TEESFKACHLTLTDDYLFIAFVGFV  
 VSIASVATNFLLGITANCCHRWSKANEEEEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9022\\_g08.zip](https://cdn.origene.com/chromatograms/mm9022_g08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001033346

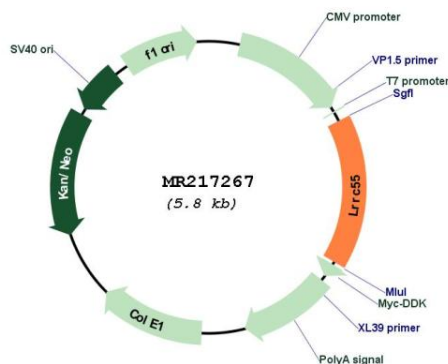
**ORF Size:** 933 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001033346.3</a></u>
<b>RefSeq Size:</b>	2900 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	241528
<b>UniProt ID:</b>	<u><a href="#">Q3UY51</a></u>
<b>Cytogenetics:</b>	2 D
<b>MW:</b>	34.9 kDa
<b>Gene Summary:</b>	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]

### Product images:



Circular map for MR217267