

## Product datasheet for MC213116

### Lrrc52 (NM\_001013382) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc52 (NM\_001013382) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lrrc52  
**Synonyms:** 4930413P14Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC213116 representing NM\_001013382  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCCCTTGCTCAGGCCCTAGCTCCAAGTTGTTACTCTTTTCTTTGGAATGGGGTTGGTATCAGGGT  
CCAAGTGTCACCAAGTGTGTGTCAAGACCAAGAAGTAGCCTGCATAGATTTGCACCTAACGGAATA  
CCCAGCTGATATTCCTCTGAACACCCGGAGACTATACCTGAACAATAACAAAATCACTAGTTTACCAGCT  
TTGACGCTGGGATTCCTCAGTGACCTCGTTTACTTGGACTGTCAGAACACCGGATTCGAGAGGTGATGG  
ATTATACCTTCATCGGGATCTTCAGACTCATCTACCTTGACCTCAGCTCCAACAACCTAACTTCCATCTC  
CCCTTTGAGTCTCAGTGCTCACCAACCTGGTGGGCTGAACATTTACACAACCTCACCTGTTGTAT  
CTTGACAAATACGCTTTTGCCAACACCACGCTTTTGAGGTACCTGGACCTCAGAAACACCGGATTGCACA  
TCATCGACCATAATGGCTTCCACCACCTGGTGGTGTCCAGACTCTGTACCTAAGTGGGAACCCCTGGAT  
ATGCAACTGCTCCTTCTGGACTTCACCATCCACTTATTAGTGTCCCATATGGACCACCCAGATGCCAG  
AACGCCACGTGTACGGAGCCTGCTGAGCTGAAAGGGTGGCCATCACGAAGTGGGAATCCACTCCAGT  
ACATGTGCATCACACACCTGGACCAGCAGGACTACATCTTCTTACTGCTCATCGGCTTCTGCATCTTCG  
TGCCGGCACGGTGGCTGCCTGGCTCACGGGTGTATGTGCTGTGCTGTACCAGAATGCCCTCCGAACGTCG  
AGCGGGGATGATACCGAAGATGAAACTGGGAGTAGATTCCCAACCGATTTTTTCGAAGCAACACACT  
TGGGCCCATTCGTCGGTTCCTGAACTGATCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001013382  
**Insert Size:** 945 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>	<a href="#">NM_001013382.2</a> , <a href="#">NP_001013400.1</a>
<b>RefSeq Size:</b>	1167 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	240899
<b>UniProt ID:</b>	<a href="#">Q5M8M9</a>
<b>Cytogenetics:</b>	1 H2.3
<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). KCNU1 channel auxiliary protein. May modulate KCNU1 gating properties, shifting KCNU1 gating to more negative potentials at a given pH.[UniProtKB/Swiss-Prot Function]