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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC213116 representing NM_001013382
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCTTGCTTCAGGCCCTAGCTCCAAGTTGTTACTCTTTTCTCTTGGAATGGGGTTGGTATCAGGGT
CCAAGTGTCCAAACAAGTGTGTGTGTCAAGACCAAGAAGTAGCCTGCATAGATTTGCACCTAACGGAATA
CCCAGCTGATATTCCTCTGAACACCCGGAGACTATACCTGAACAATAACAAAATCACTAGTTTACCAGCT
TTGCAGCTGGGATTCCTCAGTGACCTCGTTTACTTGGACTGTCAGAACAACCGGATTCGAGAGGTGATGG
ATTATACCTTCATCGGGATCTTCAGACTCATCTACCTTGACCTCAGCTCCAACAACCTAACTTCCATCTC
CCCTTTCAGCTTCTCAGTGCTCACCAACCTGGTGCGGCTGAACATTTCACACAACCCTCACCTGTTGTAT
CTTGACAAATACGTCTTTGCCAACACCACGTCTTTGAGGTACCTGGACCTCAGAAACACCGGATTGCACA
TCATCGACCATAATGGCTTCCACCACCTGGTGGTGCTCCAGACTCTGTACCTAAGTGGGAACCCCTGGAT
ATGCAACTGCTCCTTCCTGGACTTCACCATCCACTTATTAGTGTCCCATATGGACCACCCAGATGCCCAG
AACGCCACGTGTACGGAGCCTGCTGAGCTGAAAGGGTGGCCCATCACGAAGGTGGGGAATCCACTCCAGT
ACATGTGCATCACACACCTGGACCAGCAGGACTACATCTTCTTACTGCTCATCGGCTTCTGCATCTTCGC
TGCCGGCACGGTGGCTGCCTGGCTCACGGGTGTATGTGCTGTGCTGTACCAGAATGCCCTCCGAACGTCG
AGCGGGGATGATACCGAAGATGAAACTGGGAGTAGATTCGCCAACCAGATTTTTCGAAGCAACACACACT
TGGGCCCCATTCGTCGGTTCCCTGAACTGATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001013382

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Insert Size:	945 bp
OTI Disclaimer:	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).
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_001013382.2, NP_001013400.1
RefSeq Size:	1167 bp
RefSeq ORF:	945 bp
Locus ID:	240899
UniProt ID:	Q5M8M9
Cytogenetics:	1 H2.3
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). KCNU1 channel auxiliary protein. May modulate KCNU1 gating properties, shifting KCNU1 gating to more negative potentials at a given pH.[UniProtKB/Swiss-Prot Function]

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