

Product datasheet for **SC300852**

LRRC52 (NM_001005214) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC52 (NM_001005214) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300852 representing NM_001005214. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGTCCCTTGCTTCAGGCCCTGGCCCTGGGTGGTTACTCTTTTCCTTTGGAATGGGGCTGGTATCAGGG
 TCAAAGTGTCAAATAATTGTCTGTGTCAAGCCCAAGAAGTAATCTGCACAGGAAGCAGTTAACCGAA
 TACCCCTTGACATACCCCTGAACACCCGGAGGCTGTTCTGAACGAGAACAAGTCACTAGTTTGCCA
 GCAATGCATCTAGGACTCCTCAGTGACCTGTTTATTTGGACTGTGAGAACACCGGATTCGAGAGGTG
 ATGGATTATACCTTCATCGGGTCTTCAAACCTCATCTACCTGACCTCAGCTCCAACAACCTAACCTCG
 ATCTCCCATTCACCTTTCTCGGTGCTCAGCAACCTGGTGCAGCTGAACATTGCCAACAACCTCACCTG
 TTATCGCTTCACAAGTTCACCTTTGCCAACACCACTCTTTGAGGTACCTGGACCTCAGAAATACCGGC
 TTGCAGACCTGGACAGTGCTGCCTTATACCACTCACTACTCTGGAGACCTGTTTCTGAGTGGAAC
 CCCTGGAAGTGCAACTGCTTTTCTGGACTTCGCCATCTTCTTAATAGTGTTCCATATGGACCCCTCA
 GATGATCTAAATGCCACATGTGTGGAGCCACAGAGCTGACAGGGTGGCCATCACCCGGGTGGGAAC
 CCACTCCGATACATGTGCATCACGCACCTGGACCACAAAGACTACATCTTCTGCTGCTCATCGGCTTC
 TGCATCTTCGCCGCGGAAGTGTGGCTGCCTGGCTCACAGGTGTGTGTGCTGTCTACCAGAACACC
 CGCCACAAGTCGAGTGAAGAAGATGAGGACGAGCCGGGACTAGGGTGAAGTCAGCCGGCGGATTTT
 CAAACCCAGACGAGCTCGGTCCAGGAGTTCCCTCAGCTTATT**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001005214
Insert Size:	942 bp


[View online »](#)

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001005214.3</u>
RefSeq Size:	1125 bp
RefSeq ORF:	942 bp
Locus ID:	440699
UniProt ID:	<u>Q8N7C0</u>
Cytogenetics:	1q24.1
Protein Families:	Transmembrane
MW:	35.1 kDa
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. KCNU1 channel auxiliary protein. May modulate KCNU1 gating properties. [UniProtKB/Swiss-Prot Function]