

Product datasheet for **MR230810**

Lrrc43 (NM_001289821) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc43 (NM_001289821) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc43
Synonyms:	Gm1061
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230810 representing NM_001289821
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCAGCGAGTCCAGCACTAGCGACTACAGACAGACCGAGGGCGAGGGCGAGGGTGTACCGGGA
 CCTTGAGCACGGCTGTGTGTGAGCACCTGCGGAAGTTGTGTCTGCGCGAATTCCTGTGGCATCGGGAG
 CTGGAATAAGTCACGCTTTCTTCTCAAAAATGTCGAGTCTGGAGGAATTGGTACCCAAGGAGGAGGAG
 ACACTGGTCCCGAGGAGGAGACTGTGGAGGCCCTGCTGGCCTGGTGCAGCAACCACTCTCCTTGGG
 CTATGCTGAAGGATGCCAGCGGAGGACCGTTTCTGAGGGAGCTGGCCATCCAGAATCCACTGATGAT
 CAAAGACACTTTCTTCTACTCTACTTCCGGTCCCTGCGGGTGGTGAACAAGGGGGTGGTCTGGTGGAT
 AAAGACCTCTTGAATTTCTAAAGCTGGAGGAGTTGGTCTGAGTGCCAATAAAATTGAGGAAATCGATG
 CCAACAATCTGCCCCGACATTGAAGGTGCTGGAGCTCTATGGCAATTTGATCGCCAGCATGGAGTGTCT
 GTGCTCAGCCCCGCCCAAGGCTGCAGCACCTGGGGCTAGGCCACAACAATTGCTGGGCCCTTTGGAG
 AGTCTGTATGTCACCTCCCACTGGCCCAACTCGTCTCCCTGGACCTGGGCTTCAACAACCTGACGG
 ACCTGCAGAACATGATCTTGGGACTCAGTACCCTGAGGCACCTGAGGCTCCTAGTACTGCAGGGGAACCC
 ACTATCTCTGGTGCCTTACTACCGTGGCTTTACCATAGACAGCCTGGCACATCTTTGTGTCTGGACGAC
 ATCACCCTGTCTCCAATGAGAAGCACCAGTCCCGGGACTCAACATTCACGGTACCTTTTGGCACGTG
 AGGCCAGTTTGTGGTACGATTGGAATGTGAGAGGGTTCTGGACAGCTCTATCTTGGACCCGGAGCC
 GGGACCTGACGGCCCTTTCATTAGCTACAGCTATTATGTACCTATGACTTTGTGAAGATGAGGACATG
 GAAAGAAATGTTAGTGGCTAGTAGAGGCAACACATCATGACAGCGTTCTGGATGAGATCGACAAGCATT
 TCTCTGGCACCGATGAGGAGACCAACAGGAGGATCCCTTAGACGGCCGCCACCGCCACAGAGGCCGTC
 GAGGTTTTCAACCAGGCTCGACGGAGGAGATGTCCAAGGAGCTGTCTGAGTTCATAGCGAAGGAGATGAGT
 CAGATGGCAGAAGGCTCGGTTGAATCTGGGATAACAGAGGTCGACTGGTGGAGACGAGCATTTCATCC
 ACTCTGCGCCCTGCCACAGTCAATCGACTCTTCTGAAGAGCTGGCCAAGCTGCGGCCAAAGATAGACAT
 CCAGCTCTGTCCATCCCCAGGGACAGTCTCTTCAACACGGTGCACAAGCCCTGGTCCAGATGTTATTCCC
 TGCACCTATGAGATGAAGCACACCCTCAAGGAGCTGATCCGGTCAAGGCCTTCTGCTGGCTGGGACTA
 CTATCCTCTCTGGCCTGTGGTACCCACTCCCGTTGAGAGTCCCTTGCCTGCCAAGAAGGGGAAAGACAA
 CAATAAAAAGAAAGAGCCTGCTAAGGATAAGGTCCACAAGAAGAAAAGGAGCCGCCAGGGAGCTGCGG
 CAGGACCCCTGTGCTGACGGTGTGGCAGCGGGCTGGTGTACCTGGAGCCCTTGTGGCCGGGAGG
 CAGTGGTATCCACTGTGTGTAATTCGGGGTGGTCCGAACCTGGAGACAGACAGGCTCACACATGCCAG
 GGATTCAAAGAAGGTAAGAAATCTCTCAAGAAAGATAGGTGAAAACGGTGCCTCCAACCATGAAAGC
 GGGTACCAGCCAGAGCCACTGTCCGTGGAGGTCCAGATCCAGCTGCACCAGTACCCTCGGTGGAGGAAG
 CATTCTTAGCTTGATTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230810 representing NM_001289821
 Red=Cloning site Green=Tags(s)

METSESSDYSRQTEGEGEGVPGTLSTAVCEHLRKLCLREFPCGIGSWNKSRLFQKCRVWRELVKPEE
 TLVPEEETVEALLGLVRSNHSPWAMLKDASAEDRFLRELAIQNPLMIKDTFFYSYFRSLRVVNGVSLVD
 KDLLKFLKLEELVLSANKIEEIDANNLPPTLKVLELYGNLIASMECLCSAPPRLQHLGLGHNKLLGPLE
 SLYVTSNHPQLVSLDLGFNNLTDLQNMILGLSTLRHLRLVLVQGNPLSLVPYYRGFTIDSLAHLCLVDD
 ITVSPNEKHQFRGLNIHGDLAREAQFVVTIGNVRGVLDSILDPEPGDPGFISYSYYVYDFVEDEDM
 ERNVSGLVEATHHDSVLDEIDKHFSGTDEEDQEDPLDGRHRHRGRQRFHGPGSTEEMSKELSEFIKEMS
 QMAEGSVESGITEVDWSETSSISIHSAPLPQSIDSEELAKLRPKIDIQLCPSPGTVLFNTVHKPWSVIP
 CTYEMKHTLRELIRVKAFLLAGTTILSWPVPTPVESPLPAKKGKDNKKKPAKDKVHKKKKPEPRELR
 QDPPVLTVLGSGLVYLEPLLAGEAVVSTVCNFGVVRTLETDRLTARDSSKVKKSLKKDRSKTVPPTMES
 GYQPEPLSVEVQIQLHQYRSVEEAFSLID

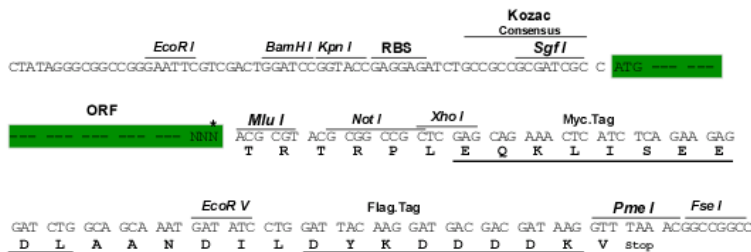
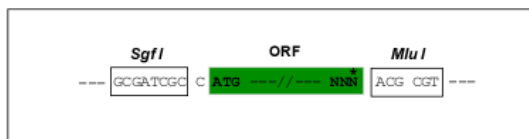
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

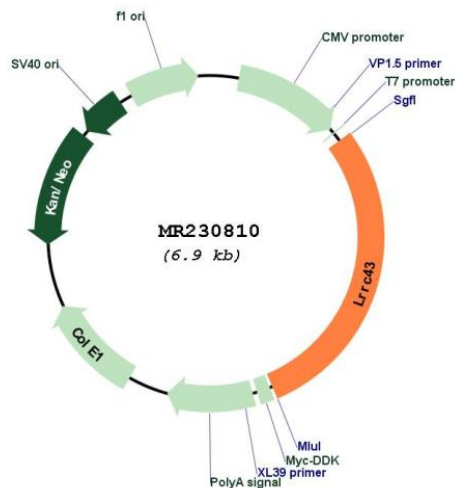
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001289821

ORF Size: 1980 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001289821.1](#), [NP_001276750.1](#)

RefSeq Size: 2025 bp
RefSeq ORF: 1983 bp
Locus ID: 381741
UniProt ID: [Q3V0L5](#)
Cytogenetics: 5 F
MW: 74.6 kDa