

## Product datasheet for **MR230806**

### Lrrc43 (NM\_001289822) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc43 (NM_001289822) 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:**

>MR230806 representing NM\_001289822  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGACCAGCGAGTCCAGCACTAGCGACTACAGACAGACCAGGGCGAGGGCGAGGGTGTACCGGGG  
 CCTTGAGCACGGCTGTGTGTGAGCACCTGCGGAAGTTGTGTCTGCGCGAATTCCTGTGGCATCGGGAG  
 CTGGAATAAGTCACGCTTCTTCTCCTCAAAAATGTCGAGTCTGGAGGGAATTGGTACCCAAGGAGGAGGAG  
 ACACTGGTCCCGAGGAGGAGACTGTGGAGGCCCTGCTGGCCTGGTGCGCAGCAACCACTCTCCTTGGG  
 CTATGCTGAAGGATGCCAGCGCGGAGGACCGTTTCTGAGGGAGCTGGCCATCCAGAATCCACTGATGAT  
 CAAAGACACTTTCTTCTACTCTACTTCCGGTCCCTGCGGGTGGTGAACAAGGGGGTGGTCTGGTGGAT  
 AAAGACCTCTTGAATTTCTAAAGCTGGAGGAGTTGGTCTGAGTGCCAATAAAATTGAGGAAATCGATG  
 CCAACAATCTGCCCCGACATTGAAGGTGCTGGAGCTCTATGGCAATTTGATCGCCAGCATGGAGTGTCT  
 GTGCTCAGCCCCGCCCAAGGCTGCAGCACCTGGGGCTAGGCCACAACAATTGCTGGGCCCTTTGGAG  
 AGTCTGTATGTCACCTCCCACTGGCCCAACTCGTCTCCCTGGACCTGGGCTTCAACAACCTGACGG  
 ACCTGCAGAACATGATCTTGGGACTCAGTACCCTGAGGCACCTGAGGCTCCTAGTACTGCAGGGGAACCC  
 ACTATCTCTGGTGCCTTACTACCGTGGCTTTACCATAGACAGCCTGGCACATCTTTGTGTCTGGACGAC  
 ATCACCCTGTCTCCAATGAGAAGCACCAGTCCCGGGGACTCAACATTCACGGTGACCTTTTGGCACGTG  
 AGGCCAGTTTGTGGTGACGATTGGAATGTGAGAGGGTTCTGGACAGCTCTATCTTGGACCCGGAGCC  
 GGGACCTGACGGCCCTTTCATTAGCTACAGCTATTATGTACCTATGACTTTGTGGAAGATGAGGACATG  
 GAAAGAAATGTTAGTGGCTAGTAGAGGCAACACATCATGACAGCGTTCTGGATGAGATCGACAAGCATT  
 TCTCTGGCACCGATGAGGAGACCAACAGGAGGATCCCTTAGACGGCCGCCACCGCCACAGAGGCCGTC  
 GAGGTTTTCAACCAGGCTCGACGGAGGAGATGTCCAAGGAGCTGTCTGAGTTCATAGCGAAGGAGATGAGT  
 CAGATGGCAGAAGGCTCGGTTGAATCTGGGATAACAGAGGTGACTGGTGGAGACGAGCATTTCATCC  
 ACTCTGCGCCCTGCCACAGTCAATCGACTCTTCTGAAGAGCTGGCCAAGCTGCGGCCAAAGATAGACAT  
 CCAGCTCTGTCCATCCCCAGGGACAGTCTCTTCAACACGGTGCACAAGCCCTGGTCCAGATGTTATTCCC  
 TGCACCTATGAGATGAAGCACACCCTCAAGGAGCTGATCCGGGTCAAGGCCTTCTGCTGGCTGGGACTA  
 CTGTGAGCATCGTAGAGGAGAAAATCCTCTCTGGCCTGTGGTACCCACTCCCGTTGAGAGTCCCTTGCC  
 TGCCAAGAAGGGAAAGACAACAATAAAAAAGAAAGAGCCTGCTAAGGATAAGGTCCACAAGAAGAAAAAG  
 GAGCCGCCAGGGAGCTGCGGCAGGACCCCTGTGCTGACGGTGTGGCAGCGGGCTGGTGTACCTGG  
 AGCCCTTGTGCGCGGGGAGGCAGTGGTATCCACTGTGTGTAATTCGGGGTGGTCCGAACCTGGAGAC  
 AGACAGGCTCACACATGCCAGGGATTCAAAGAAGATAGGTGAAAACGGTGCCTCAACCATGGAAGCG  
 GGTACCAGCCAGACCACTGTGGTGGAGGTCCAGATCCAGCTGCACCAGTACCGCTCGGTGGAGGAAGC  
 ATTCCTTAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230806 representing NM\_001289822  
 Red=Cloning site Green=Tags(s)

METSESSDYSRQTEGEGEGVPGTLSTAVCEHLRKLCLREFPCGIGSWNKSRLFQKCRVWRELVPKEE  
 TLVPEEETVEALLGLVRSNHSPWAMLKDSAEDRFLRELAIQNPLMIKDTFFYSYFRSLRVVYKGVSLVD  
 KDLLKFLKLEELVLSANKIEEIDANNLPPTLKVLELYGNLIASMECLCSAPPRLQHLGLGHNKLLGPLE  
 SLYVTSHNWPQLVSLDLGFNNLTDLQNMILGLSTLRHLRLLVLQGNPLSLVPYYRGFTIDSLAHLCLVDD  
 ITVSPNEKHQFRGLNIHGDLAREAQFVVTIGNVRGVLDSILDPEPGDPGFISYSYYVYDFVEDEDM  
 ERNVSGLVEATHHDSVLDEIDKHFSGTDEEDQEDPLDGRHRHRGRQRHFHPGSTEEMSKELSEFIKEMS  
 QMAEGSVESGITEVDWSETSSISIHSAPLPQSIDSSEELAKLRPKIDIQLCPSPGTVLFNTVHKPWSVIP  
 CTYEMKHTLRELIRVKAFLLAGTTVSIVEEKILSWPVVPTPVESPLPAKKGKDNKKKPAKDKVHKKK  
 EPPRELQDPPVLTVLGSLVYLEPLLAGAEVSTVCNFGVVRTLETDRLTHARDSKKIGRKRCLQPWKA  
 GTSQSHCRWRSRSTSTARWRKHSLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

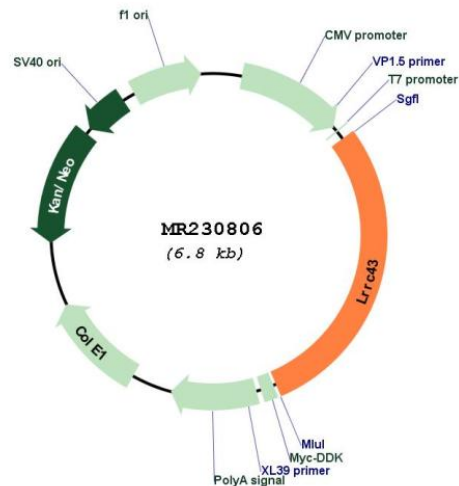
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001289822

ORF Size: 1971 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\\_001289822.1](#), [NP\\_001276751.1](#)

RefSeq Size: 2024 bp  
RefSeq ORF: 1974 bp  
Locus ID: 381741  
UniProt ID: [Q3V0L5](#)  
Cytogenetics: 5 F  
MW: 74.3 kDa