

Product datasheet for **MG220088**

Lrrc43 (NM_001033461) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc43 (NM_001033461) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc43
Synonyms:	Gm1061
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG220088 representing NM_001033461
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGACCAGCGAGTCCAGCACTAGCGACTACAGACAGACCAGGGCGAGGGCGAGGGTGTACCGGGA
 CCTTGAGCACGGCTGTGTGTGAGCACCTCGGGAAGTTGTGTCTGCGCGAATTCCTGTGGCATCGGGAG
 CTGGAATAAGTCACGCTTCTTCTCTCAAAAATGTCGAGTCTGGAGGGAATTGGTACCCAAGGAGGAGGAG
 ACACTGGTCCCGAGGAGGAGACTGTGGAGGCCCTGCTGGGCCTGGTGCAGCAACCACTCTCCTTGGG
 CTATGCTGAAGGATGCCAGCGCGGAGGACCGTTTCTGAGGGAGCTGGCCATCCAGAATCCACTGATGAT
 CAAAGACACTTTCTTCTACTCTACTTCCGGTCCCTGCGGGTGGTGAACAAGGGGGTGGTCTGGTGGAT
 AAAGACCTCTTGAATTTCTAAAGCTGGAGGAGTTGGTCTGAGTGCCAATAAAATTGAGGAAATCGATG
 CCAACAATCTGCCCCGACATTGAAGGTGCTGGAGCTCTATGGCAATTTGATCGCCAGCATGGAGTGTCT
 GTGCTCAGCCCCGCCCAAGGCTGCAGCACCTGGGGCTAGGCCACAACAATTGCTGGGCCCTTTGGAG
 AGTCTGTATGTCACCTCCCAACTGGCCCAACTCGTCTCCCTGGACCTGGGCTTCAACAACCTGACGG
 ACCTGCAGAACATGATCTTGGGACTCAGTACCCTGAGGCACCTGAGGCTCCTAGTACTGCAGGGGAACCC
 ACTATCTCTGGTGCCTTACTACCGTGGCTTTACCATAGACAGCCTGGCACATCTTTGTGTCTGGACGAC
 ATCACCCTGTCTCCCAATGAGAAGCACCAGTTCGGGGACTCAACATTCACGGTACCTTTTGGCACGTG
 AGGCCAGTTTGTGGTACGATTGGAATGTGAGAGGGTTCTGGACAGCTCTATCTTGGACCCGGAGCC
 GGGACCTGACGGCCCTTTCATTAGCTACAGCTATTATGTACCTATGACTTTGTGGAAGATGAGGACATG
 GAAAGAAATGTTAGTGGCTAGTAGAGGCAACACATCATGACAGCGTTCTGGATGAGATCGACAAGCATT
 TCTCTGGCACCGATGAGGAGACCAACAGGAGGATCCCTTAGACGGCCGCCACCGCCACAGAGGCCGTC
 GAGGTTTTCAACCAGGCTCGACGGAGGAGATGTCCAAGGAGCTGTCTGAGTTCATAGCGAAGGAGATGAGT
 CAGATGGCAGAAGGCTCGGTTGAATCTGGGATAACAGAGGTGACTGGTGGAGACGAGCATTTCATCC
 ACTCTGCGCCCTGCCACAGTCAATCGACTCTTCTGAAGAGCTGGCCAAGCTGCGGCCAAAGATAGACAT
 CCAGCTCTGTCCATCCCCAGGGACAGTCTCTTCAACACGGTGCACAAGCCCTGGTCCAGATGTTATTCCC
 TGCACCTATGAGATGAAGCACACCCTCAAGGAGCTGATCCGGTCAAGGCCTTCTGCTGGCTGGGACTA
 CTGTGAGCATCGTAGAGGAGAAAATCCTCTCTGGCCTGTGGTACCCACTCCCGTTGAGAGTCCCTTGCC
 TGCCAAGAAGGGAAAGACAACAATAAAAAAGAAAGAGCCTGCTAAGGATAAGGTCCACAAGAAGAAAAAG
 GAGCCGCCAGGGAGCTGCGGCAGGACCCCTGTGCTGACGGTGTGGGAGCGGGCTGGTGTACCTGG
 AGCCCTTGTGCGCGGGAGGCAGTGGTATCCACTGTGTGTAATTCGGGGTGGTCCGAACCTGGAGAC
 AGACAGGCTCACACATGCCAGGGATTCAAAGAAGTAAAGAAATCTCTCAAGAAAGATAGGTGAAAACG
 GTGCTCAACCATGAAAGCGGGTACCAGCCAGAGCCACTGTCGGTGGAGGTCCAGATCCAGCTGCACC
 AGTACCGCTCGGTGGAGGAAGCATTCTTAGCTTGATTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220088 representing NM_001033461
 Red=Cloning site Green=Tags(s)

METSESSTSDYRQTEGEGEGVPGTLSTAVCEHLRKLCLREFPCGIGSWNKSRLFQKCRVWRELVPKEE
 TLVPEEETVEALLGLVRSNHSPWAMLKDASAEDRFLRELAIQNPLMIKDTFFYSYFRSLRVVNGVSLVD
 KDLLKFLKLEELVLSANKIEEIDANNLPPTLKVLELYGNLIASMECLCSAPPPRLQHLGLGHNKLLGPLE
 SLYVTSNWPQLVSLDLGFNNLTDLQNMILGLSTLRHLRLLVLQGNPLSLVPYYRGFTIDSLAHLCVLDD
 ITVSPNEKHQFRGLNIHGDLLAREAQFVVTIGNVRGVLDSILDPEPGDPGFISYSYYVYDFVEDEDM
 ERNVSGLVEATHHDSVLDEIDKHFSGTDEEDQEDPLDGRHRHRGRQRHFHPGSTEEMSKELSEFIAKEMS
 QMAEGSVESGITEVDWSETSSISIHSAPLPQSIDSSEELAKLRPKIDIQLCPSPGTVLFNTVHKPWSDVIP
 CTYEMKHTLKEKIRVKAFLLAGTTVSIVEEKILSWPVVPTPVESPLPAKKGKDNKKKKEPAKDKVHKKK
 EPPRELQDPPVLTVLGSLVYLEPLLAGEAVVSTVCNFGVVRTLETDRLTHARDSKKVKKSLKDKDRSKT
 VPPTMESGYQPEPLSVEVQIQLHQYRSVEEAFSLSID

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033461

ORF Size: 2001 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_001033461.3](#), [NP_001028633.1](#)

RefSeq Size: 2045 bp

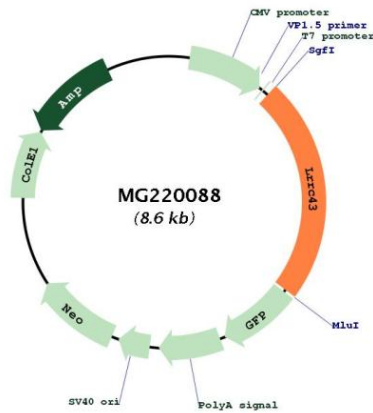
RefSeq ORF: 2004 bp

Locus ID: 381741

UniProt ID: [Q3V0L5](#)

Cytogenetics: 5 F

Product images:



Circular map for MG220088