

Product datasheet for **MG210186**

Lrrc4b (BC060263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc4b (BC060263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc4b
Synonyms:	A830007M12; Lrig4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210186 representing BC060263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCAGGCCACATCCGCGCTCCCGTGCCCTTGCTGCCGCTGGTAGGATGTCCTGCCCCACG
 GGGCTCTCTTGCTCCTGTGGCTCTTCTCCCAACCCTGAGGGCTGGTGGGGCGGTGTGGCGTGACCTC
 AGCCGCTGGAGGAGGCTCCCGCCAGCCACCTCCTGCCAGCCGCTGCTCCTGCAGCAACCAGGCCAGC
 CGGGTGATCTGCACGCGGAGGAGCTGGCCGAGGTGCCAGCCAGCATCCCTGTCAACACCCGCTACCTGA
 ACCTGCAAGAGAACAGCATCCAGGTGATCCGCACGGACACATTCAAGACCTCCGGCACCTGGAGATCCT
 GCAGCTGAGCAAGAACCTGGTGCAGAGATCGAGGTGGGAGCGTTCAATGGGCTGCCAGTCTCAACACA
 CTGGAACCTCTCGACAACCGGTGACAACCGTGCCACGACGAGGCTTTGAGTACCTGTCCAAGCTCCGGG
 AGCTGTGGCTGCGCAACAACCCCATCGAAAGCATCCCATCCTATGCCTTCAACCGTGTGCCCTACTGCG
 CCGCTAGACCTGGGCGAGCTGAAGAGGCTGGAGTACATATCTGAGGCGGCTTCGAGGGGCTGGTGAAC
 CTGCGCTACCTCAACCTGGGCATGTGCAACCTAAAGGACATCCCAACCTCACAGCACTTGTGCGCTGG
 AGGAGCTGGAGCTGTCCGGGAACCGGTGGACCTAATTCGCCCTGGCTCCTTCCAGGGCCTCACCAGCCT
 GCGCAAGCTGTGGCTGATGCATGCCAAGTGCCACCATCGAGCGAAACGCCTTCGACGACCTCAAGTCG
 CTGGAGGAGCTGAACCTGTCCACAACAACCTGATGTCGCTGCCGACGACCTTTTCACGCCCCCTCACC
 GCCTGGAGCGTGTCCACCTGAACCACAACCCCTGGCATTGTAAGTGTGATGTGCTGTGGCTCAGCTGGTG
 GCTGAAGGAGACAGTGCCAGCAATACCATGCTGCGCACGCTGCCACGCGCCCGCCGGCTCAAGGGC
 CGCTACATTGGCGAGCTAGACCAGTCGCACTTCACCTGCTATGCCCGGTTCATCGTGAGGCCACCCACAG
 ACCTCAATGTACCGAGGGCATGGCGGTGAGCTCAAGTGCCGCACAGGCACATCCATGACGTGGTCAA
 CTGGCTGACACCTAACGGCACGCTCATGACGCACGGTTCCATCGTGTGCGCATTTCACTGCTGCACGAT
 GGCACACTCAACTTCACCAATGTACCGTGCAGGACACGGGCCAGTACACGTGCATGGTGACAACTCGG
 CTGGCAACACTACTGCCTCGGCCACGCTTAACGTGTGCGCCGTGGACCCCGTGGCTGCGGGAGGGCCCGG
 TGGCGGGGGCCAGGGGTGGGGCGGTGCAGGGGGCGCGGGCGGATACACCTACTTCACCACGGTGACC
 GTGGAGACGCTGGAGACGCAGCCGGGGAGGAGGCCAGCAGCCCGAGGTAAGTGAAGAGGCCCGCGG
 GGCCACGACTGATGGCGCTGGGGCGGCGCGGCTGATGCTGCAGCCCGGCTCGGCTCCACCAC
 GGCACCGGCCCGCGCTCCTCGCGGCCACGAGAAGGCTTTACGGTGGCCATCACGGACGTGACGGAG
 AATGCGCTTAAGGACCTAGACGATGTGATGAAGACCACAAAATCATCATCGGCTGCTTCGTGGCCATCA
 CCTTCATGGCCCGCTGATGCTGGTGGCTTCTACAAGCTGCGCAAGCAGCACCAGCTGCACAAGACCA
 CGGGCCACGCGCACTGTGGAGATCATCAACGTGGAGGACGAGCTGCCCGCCGCTCCGCTGTGTGGTG
 GCTGCGGCGCGCGGTGGCTGGAGGCGCGGGCGTGGTGGGGACAGCCACCTGGCCCTTCGGGCGCTGG
 AGCGAGACCACCTCAATCACCACCACTACGTTGCGGCGCCTTCAAGGCGCACTACGGCGCAACCCGGG
 AGGCGGTGCGGGGCCAAAGGCCCGGCTCAACTCCATCCACGAACCTCTGCTCTTCAAGAGCGGCTCC
 AAGGAGAACGTGCAAGAGACACAAATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC060263

ORF Size: 2127 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

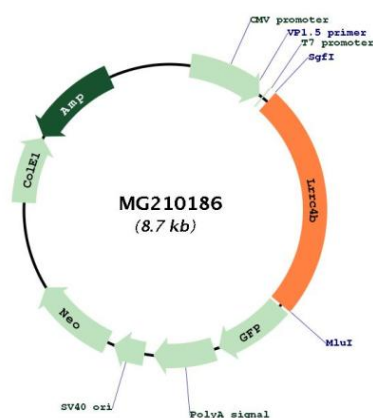
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC060263 , AAH60263
RefSeq Size:	2753 bp
RefSeq ORF:	2129 bp
Locus ID:	272381
Cytogenetics:	7 B3
Gene Summary:	Synaptic adhesion protein. Regulates the formation of excitatory synapses. The trans-synaptic adhesion between LRRC4B and PTPRF regulates the formation of excitatory synapses in a bidirectional manner (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210186