

Product datasheet for **MC220948**

Lrrc4b (NM_198250) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc4b (NM_198250) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc4b
Synonyms:	A830007M12; Lrig4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220948 representing NM_198250
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGCAGGCCACATCCGCGCTCCCGTGCCCTTGCTGCCGCTGGTAGGATGTCCTGCCCCACG
 GGGCTCTCTTGCTCCTGTGGCTCTTCTCCCAACCCTGAGGGCTGGTGGGGCGGTGTGGCGTGACCTC
 AGCCGCTGGAGGAGGCTCCCGCCAGCCACCTCCTGCCAGCCGCTGCTCCTGCAGCAACCAGGCCAGC
 CGGGTGATCTGCACGCGGAGGAGCTGGCCGAGGTGCCAGCCAGCATCCCTGTCAACACCCGCTACCTGA
 ACCTGCAAGAGAACAGCATCCAGGTGATCCGCACGGACACATTCAAGCACCTCCGGCACCTGGAGATCCT
 GCAGCTGAGCAAGAACCTGGTGCAGAGATCGAGGTGGGAGCGTTCAATGGGCTGCCAGTCTCAACACA
 CTGGAACCTCTCGACAACCGGTGACAACCGTGCCACGACGAGGCTTTGAGTACCTGTCCAAGCTCCGGG
 AGCTGTGGCTGCGCAACAACCCCATCGAAAGCATCCCATCCTATGCCTTCAACCGTGTGCCCTACTGCG
 CCGCTAGACCTGGGCGAGCTGAAGAGGCTGGAGTACATATCTGAGGCGGCTTCGAGGGGCTGGTGAAC
 CTGCGCTACCTCAACCTGGGCATGTGCAACCTAAAGGACATCCCAACCTCACAGCACTTGTGCGCTGG
 AGGAGCTGGAGCTGTCCGGGAACCGGTGGACCTAATTCGCCCTGGCTCCTTCCAGGGCCTCACCAGCCT
 GCGCAAGCTGTGGCTGATGCATGCCAAGTGGCCACCATCGAGCGAAACGCCTTCGACGACCTCAAGTCG
 CTGGAGGAGCTGAACCTGTCCACAACAACCTGATGTCGCTGCCGACGACCTTTTACGCCCCCTTACC
 GCCTGGAGCGTGTCCACCTGAACCACAACCCCTGGCATTGTAAGTGTGATGTGCTGTGGCTCAGCTGGTG
 GCTGAAGGAGACAGTGCCAGCAATACCATGCTGCGCACGCTGCCACGCGCCCGCGGCTCAAGGGC
 CGCTACATTGGCGAGCTAGACAGTGCACCTTACCTGCTATGCCCGGTATCGTGGAGCCACCCACAG
 ACCTCAATGTACCGAGGGCATGGCGGCTGAGCTCAAGTGCCGCACAGGCACATCCATGACGTGCGTCAA
 CTGGCTGACACCTAACGGCACGCTCATGACGCACGGTTCTATCGTGTGCGCATTTCACTGCTGCACGAT
 GGCACACTCAACTTACCAATGTACCGTGCAGGACACGGGCCAGTACACGTGCATGGTGACAACTCGG
 CTGGCAACACTACTGCCTCGGCCACGCTTAACGTGTGCGCCGTGGACCCCGTGGCTGCGGGAGGGCCCG
 TGGCGGGGGCCAGGGGTGGGGCGGTGCAGGGGGCGCGGGCGGATACACCTACTTACCACGGTGACC
 GTGGAGACGCTGGAGACGCAGCCGGGGAGGAGGCCAGCAGCCCGAGGTAAGTGAAGAGGCCCGCG
 GGCCACGACTGATGGCGCTGGGGCGGCGCGGCTGATGCTGCAGCCCGGCTCGGCTCCACCAC
 GGCACCGGCCCGCGCTCCTCGGGCCACGGAGAAGGCTTTCACGGTGGCCATCACGGACGTGACGGAG
 AATGCGCTTAAGGACCTAGACGATGTCTGAAGACCACAAAATCATCATCGGCTGCTTCGTGGCCATCA
 CCTTCATGGCCGCGTGTGCTGGTGGCTTCTACAAGCTGCGCAAGCAGCACCAGCTGACAAGCACA
 CGGGCCACGCGCACTGTGGAGTATCAACGTGGAGGACGAGCTGCCCGCCGCTCCGCTGTGTGGTG
 GCTGCGGCGCGCGGTGGCTGGAGGCGCGGGCGTGGTGGGGACAGCCACCTGGCCCTTCCGGCGCTGG
 AGCGAGACCACCTCAATCACCACCACTACGTTGCGGCGCCTTCAAGGCGCACTACGGCGCAACCCGGG
 AGGCGGGTGGGGGCCAAAGGCCCGGCTCAACTCCATCCACGAACCTCTGCTCTTCAAGAGCGGCTCC
 AAGGAGAACGTGCAAGAGACACAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_198250

Insert Size: 2130 bp

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).

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:	<u>NM_198250.1</u> , <u>NP_937893.1</u>
RefSeq Size:	2753 bp
RefSeq ORF:	2130 bp
Locus ID:	272381
UniProt ID:	<u>P0C192</u>
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]