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Product datasheet for RN217130

Lrrc4b (NM_001271081) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc4b (NM_001271081) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc4b
Synonyms:	Lrig4; NGL-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN217130 representing NM_001271081
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCAGGCCCACATCCAAGGCTCCCCGTGCCCCTTGCTGCCGCCTGGTAGGATGTCCTGGCCCCAAG
GGGCTCTCCTGCTCCTGTGGCTCTTCTCCCCACCCCTGAGGGCCGGTGGGGGCGGTGTGGCCGTGACTTC
AGCCGCCGGAGGAGGCTCCCCGCCAGCCACCTCCTGCCCAGCAGCCTGCTCCTGCAGCAACCAGGCCAGC
CGGGTGATCTGCACGCGGAGGGAGCTGGCCGAGGTGCCAGCCAGTATCCCCGTCAATACCCGCTACCTGA
ACTTGCAAGAGAACAGCATTCAGGTGATCCGCACTGACACATTCAAGCACCTCCGGCACCTGGAGATCCT
GCAGCTGAGCAAGAATCTGGTGCGCAAGATCGAAGTGGGGGCGTTCAATGGGCTTCCCAGTCTCAACACA
CTGGAACTCTTCGACAACCGGCTGACCACAGTGCCCACACAGGCCTTTGAGTACTTGTCCAAGCTCCGGG
AGCTGTGGCTGCGCAACAACCCCATCGAAAGCATCCCATCCTATGCCTTCAACCGTGTGCCCTCATTGCG
CCGCCTGGACCTGGGCGAGCTGAAGCGTCTGGAGTACATATCGGAGGCGGCCTTCGAGGGGCTGGTGAAC
CTGCGCTACCTCAACCTGGGCATGTGCAACCTAAAGGACATCCCCAACCTCACAGCACTTGTGCGCCTGG
AAGAGCTGGAGCTGTCGGGGAACCGGCTGGACCTAATTCGCCCCGGCTCCTTCCAGGGCCTCACCAGCCT
GCGCAAGCTGTGGCTGATGCATGCCCAAGTGGCCACCATCGAGCGAAACGCCTTCGACGACCTCAAGTCG
CTGGAGGAGCTGAACCTGTCCCACAACAACCTGATGTCGCTGCCGCACGACCTTTTCACACCCCTTCACC
GCCTGGAGCGTGTCCACCTGAACCACAACCCCTGGCACTGCAACTGTGATGTGCTCTGGCTCAGCTGGTG
GCTGAAGGAGACAGTGCCCAGCAATACCACATGCTGCGCACGCTGCCACGCGCCCGCCGGCCTCAAGGGC
CGCTACATCGGTGAGCTGGACCAGTCGCACTTCACCTGCTATGCCCCAGTCATCGTGGAGCCACCCACAG
ACCTCAATGTCACCGAGGGCATGGCGGCCGAGCTCAAGTGCCGCACAGGTACATCCATGACCTCGGTCAA
CTGGCTGACACCTAACGGCACGCTCATGACACACGGTTCCTATCGTGTGCGCATTTCGGTACTGCACGAT
GGCACACTCAATTTCACTAATGTCACCGTGCAGGACACGGGCCAGTACACGTGCATGGTGACAAACTCTG
CTGGCAACACCACTGCCTCGGCCACGCTTAACGTGTCGGCCGTGGACCCTGTGGCTGCCGGAGGGCCCGG
TGGCGGGGGCCCAGGGGGTGGGGGCGGTGCAGGGGGTGCGGGCGGCTACACCTACTTCACCACGGTGACT
GTGGAGACGCTGGAGACACAGCCGGGGGAGGAGGCCCAGCAGCCCCGAGGTACTGAGAAGGAGCCCCCGG
GGCCCACGACTGATGGCGCGTGGGGTGGCGGCCGGCCTGACGCTGCAGCCCCGGCCTCAGCGTCCACCAC
GGCACCAGCCCCGCGCTCCTCGCGGCCCACAGAGAAGGCTTTCACGGTGCCCATCACGGACGTGACGGAG
AACGCACTTAAGGACCTAGACGATGTCATGAAGACCACCAAAATCATCATCGGCTGCTTCGTGGCCATCA
CCTTTATGGCCGCCGTGATGCTGGTGGCCTTCTACAAGCTGCGCAAGCAGCACCAGCTGCACAAGCACCA
TGGGCCCACGCGCACTGTGGAGATCATCAACGTGGAGGACGAGCTGCCCGCCGCCTCCGCTGTGTCGGTG
GCTGCGGCCGCTGCGGTGGCTGGAGGCGCGGGCGTGGGTGGGGACAGCCACCTGGCTCTTCCGGCGCTGG
AGCGAGACCACCTCAACCACCACCACTACGTGGCGGCTGCCTTCAAGGCGCACTACGGCGGCAATCCAGG
AGGCGGGTGCGGGGCCAAGGGCCCCGGCCTCAACTCCATCCACGAACCTCTGCTCTTCAAGAGCGGCTCC
AAGGAGAACGTGCAAGAGACACAAATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001271081

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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271081.1, NP_001258010.1
RefSeq Size:	2744 bp
RefSeq ORF:	2130 bp
Locus ID:	308571
UniProt ID:	P0CC10
Cytogenetics:	1q22
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.[UniProtKB/Swiss-Prot Function]