

Product datasheet for **RN214742**

Lrrc4 (NM_001037336) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc4 (NM_001037336) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214742 representing NM_001037336
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTCTTGTGGCAGGTAAGTGTGCACCACACCTGGAATGCCGTCTGCTTCCCGTCGCTACCTCA
 CGGCGCAAGTGTGGATTCTGTGTGCAGCCATCGCTGCTGCCGCTTCAGCTGGGCCCCAGAACTGCCCTC
 CGTCTGTTCTCGCAGTAACCAAGTTCAGCAAGGTGGTGTGCACCCGCCGGGACTCTCTGAGGTCCCGCAG
 GGTATTCTTCCAACACCCGGTATCTCAACCTCATGGAACAACATCCAGATGATTAGGCCGACACCT
 TCAGGCACCTCCACCACCTGGAGGTCTGCAGCTGGGCAGGAACGCCATCAGGCAGATCGAGGTGGGGG
 CTTCAATGGCCTCGCCAGCCTCAACACCTTGGAACTGTTTGACAACCTGGCTGACTGTATCCCCAGTGGG
 GCCTTTGAGTACCTGTCCAACTGCGGGAGCTCTGGCTTCGAAACAACCTATTGAGAGCATCCCCTCTT
 ATGCCTTCAACCGGTGCCCTCCCTCATGCGTCTGGACTTGGGGAACTCAAGAAGCTGGAGTATATCTC
 TGAGGGGGCTTTTGGGGCTGTCAACCTCAAGTACCTGAACCTTGGGCATGTGTAACATTAAGGACATG
 CCCAATCTTACACCCCTGGTGGGGCTAGAGGAGCTTGAGATGTCAGGGAACCACTTTCTGAGATCAGGC
 CTGGGTCTTCCATGGCCTAAGCTCCCTCAAAAACTGTGGGTGATGAACTCACAGGTGACGCTGATTGA
 GCGGAATGCTTTTGATGGACTGGCTTCCCTTGTTGGAACCTCAACTAGCCACAATAACCTCTCATCTTTG
 CCCCATGACCTCTTCACTCCCCTGAGATACCTAGTGGAGTTGCACCTACACCACAATCCTTGAAGTGTG
 ATTGTGATATTCTGTGGCTGGCTTGGTGGCTTCGGGAGTATATACCCACCAATTTACTTGTGTGGCCG
 CTGTACGCTCCCATGCATATGCGAGGCCGCTACCTGGTAGAGGTGGACCAGGCCTCCTTCAGTGCTCT
 GCGGCTTTCATCATGGATGCACCCCGGACCTCAATATCTCTGAGGATCGGATGGCAGAACTGAAGTGTG
 GACTCCCCCTATGTCTCTGTGAAGTGGTGTGCCCCAATGGGACAGTGCTCAGCCACGCTCCCGCA
 CCCACGGATCTCCGTTCTCAATGATGGCACCTTGAACCTTTCTCGTGTGCTGCTCATAGACTGGAGTA
 TACACATGCATGGTGACCAACGTGGCAGGCAACTCCAATGCCTCGGCCTACCTCAATGTGAGCTCGGCCG
 AGCTCAATACCCCAACTTCAGCTTCTTCAACCTGTAACAGTGGAGACCACAGAGATATCACCTGAGGA
 CATAACACGGAAGTACAAGCCTGTTCCACACCTGCTCACTGGTTACCAGCCGGCATATACCACTCCACC
 ACGGTGCTCATTAGACACCCGTGTGCCAAGCAGGTGCCAGTACCCTCGACAGATACCACTGACAAGA
 TGCAGACCACTGAGTGAAGTCAAGACCAAGATCATCATTGGTGTCTTGTGGCAGTGACTCT
 CCTAGTGTGCTGCCATGTTGATTGCTTCTATAAATTCGCAAGCGGCACCAGCAGCGAGTACGGTCACA
 GCTGCCAGGACAGTAGAGATTATCCAGGTGGATGAAGACATCCCAGCAGCAGCATCTGCAGCAGCAACAG
 CAGCTCCGTCGGTGTATCAGGTGAGGGGGCAGTGTGCTGCCCAATCCATGACCATATTAACTACAA
 CACCTACAAACCAGCACATGGGGCCCACTGGACAGAAAACAGCCTGGGGAACCTCTCTGCACCCACAGTC
 ACCACTATCTCTGAACCTTATATAATTCAGACCCATACCAAGGACAAGGTACAGGAACTCAAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037336

Insert Size: 1959 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.

RefSeq: [NM_001037336.1](#), [NP_001032413.1](#)

RefSeq Size: 3597 bp

RefSeq ORF: 1959 bp

Locus ID: 641521

UniProt ID: [Q45R42](#)

Cytogenetics: 4q22

Gene Summary: Synaptic adhesion protein. Regulates the formation of excitatory synapses through the recruitment of pre-and-postsynaptic proteins. Organize the lamina/pathway-specific differentiation of dendrites. Plays an important role for auditory synaptic responses. Involved in the suppression of glioma.[UniProtKB/Swiss-Prot Function]