

Product datasheet for **RN213221**

Lrrc7 (NM_057142) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc7 (NM_057142) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213221 representing NM_057142 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGTGCCTGGAGATGACCACAAACGGAAGCTCATCGGCCGCTGGTGCCATGCCGCTGCTCCGTG
GCGAGGAAGAGATCATCTCGGTGTTGGATTACTCCCACTGCAGCCTGCAACAGGTGCCAAGGAGTCTT
CAACTTCGAACGTACACTAGAAGAGCTCTATCTAGATGCCAATCAGATTGAGGAGCTACCAAGCAATTG
TTCAACTGTCAAGCTCTAAGGAACTAAGCATTCTGATAATGACCTCTCAAGTCTGCCGACCTCCATTG
CTAGCCTAGTTAATCTGAAAGAACTCGACATCAGTAAAAACGGTGTACAAGAATTTCCAGAAAACATAAA
GTGCTGTAAGTGTTTAACCATTATTGAAGCCAGTGTCAATCCCATTCTAACTACCCGATGGCTTCACG
CAGCTTCTTAACCTGACCCAGCTCTACCTGAATGACGCCTTCCTCGAATTTCTTCAGCTAATTTTGAA
GACTTGTCAAATTGCGAATCTTGAGTTAAGAGAAAATCACTTGAAAACCTACCAAAGTCAATGCACAA
GCTGGCCAGCTGGAAAGACTTGACCTAGGCAATAATGAATTCAGCGAGCTGCCTGAAGTTCTGGATCAA
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TAAAGATGTTGGTATACCTGGATATGTCAAAAAACAGGATAGAAACGGTTGACATGGATATTTCTGGATG
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AACGTCACCGTTATGTCTCTACGCTCCAATAAGCTAGAATTTCTTCTGAAGAAATCGGGCAGATGCAGA
GACTTCGAGTCTTAAATCTAAGTGATAATAGGTTGAAGAACTTGCCATTCTCCTTACCAAACCTCAAAGA
GCTTGACGATTGTGGCTTTCTGACAATCAGTCCAAGGCCCTCATCCCTCTGCAACAGAACGCCATCCA
GAAACCAAGCAAAGGGTACTGACCAACTACATGTTTCCCAGCAGCCCCGTGGTGATGAAGATTTCCAGT
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GACAGGGGCCAGCGTGGGATTACTCTCAACCTGCCAGGCTGTCTGGCGATTGCTGCACACCATGGGCCA
GGTGTGATCAGCAGATCCAAGATATGCCCGTCCCCAGAGTGACCCAGCTGGCATGGGGTTGTATAAG



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TGGCCTCCAGCAGGAGAGGAGCATGTGTGCTCCATTACCACTGGCAGCCCAATCCACCACTCTTCCCTCT
CTAAGTGGCAGACAGGTTGAAATAAACCTAAAACGATATCCAACCTCTTACCCGGAGGATTTAAAGAACA
TGGTAAATCTGTTCAAAATCTGGTGGGTAAAGCCAAGCCATGGAGTGCAGCTTGAGAACGCAAAACCAAC
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TCCTCAGCATCCTCCAACACCCGGGTGAAAGTGGGGTCTTGCAGCCAACAACATAAGATGCCGTGCATA
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ACGGGAGGCTGTCCCTCCAGGAACCTCCCCAGCGTCTGATCGGCTGCCAATGAGTGATGCTTTCCCT
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GCAAGAAAGGATTGTCGGTGTCCCTGGAAGTGGAGCAGTCCACCCACAGACACACACCAGAAACAGAA
GTGCTCTCTTCAATCCCTGGCAGAAATGGACCAGAACCCCAAGTCCATTTGAGGACAGGACTGCTTTTC
CCTCCAAATTAGAAACAACCCCTACTACAGTCCCTTGCTGAAAGAAAAGACCACATGAAGGAGCTAC
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CGGAGAGGCTTTCCCGCTCATGAAAGATATAAAGTCCAACAAGTTCAAAAAGTCCCAGAGTATTGATGA
GATTGACGTCGGTACCTACAAGTCTATAACATTCCACTGGAAAAGTATGCTCTGGAAGCGATCACTTA
GGAAGCCACGAGCGGCCAGACAAGTCTTGGGACCAGAGCAGGCATGTCCAGTATGTCCAGGAGCCAGT
CGGTACCATGCTGGATGACGAAATGCTCATGTACGGAAGTAGTAAAGGCCCAACCAAAAAGCATC
TATGACTAAGAAGTCTATCAGTTTGACCAAAGCTTCAATCCACAAGGAGCGGTGGAAGTAAAAGCAGAG
AAGAGGATCCCACCCCTTTTGCACACAATTCTGAGTATGTACAACAGCCCGTAAAAACATGCCAAGG
ATCTCGTCAGCCCCAGAGCCTATAGAGGATACCCACCCATGGAGCAGATGTTCTCCTTTTCCCAACCATC
TGTAATGAGGATGCCATGGTGAATGCTCAGTTGCGCCAGCCAGGGGCCAGGGCAGGCTTCTAAGGAGG
GCTGACTCCCTGGCCAGCTCCACAGAGATGGCCATGTTGAGAAGGGTCACTGAGCCCCACGAGTGGCCC
CTGGTGACAGGTATGGCCGAGCAGCCTATAGGGGAGGGCTGGAAGGCCAGAGCAGCGTTTCAATGACTGA
TCCCCAATTCTCAAGAGGAATGGCAGGTACGAAGATGAGCACCTTCATATCAAGAAAGTAAAGCGCAG
GCGGGAAGTTTCTGCTAAAAACCTTACCCAGAGGAGGCCACTGTCTGCCAGGAGCTACAGCACAGAGA
GTTACGGGGCCTCCCAACCCAGGCCAGTTTCACTAGGCTACCATGGCAGCCCTCTGGAAAAATACC
ATCTGACTATAACTTGGGTAATATGGTGACAAGACATCAGATAACAGTGATATAAGACAAGGCCACC
CCTGTGAAGGGAGAGGAGAGCTGTGGCAAAATGCCGCGAGACTGGAGACAGCAGCTGCTTAGACATATAG
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TCCTAGTGGCCAATGGAATCCTTACCCACTTGGGAGGCGGGATGTACCTCCGGACACCATTACTAAAAAG
GCAGGCAGCCACATTAGACCTGATGGGTACAGAGCCTTCAGCACCCAGCCGGGAGCAGCAGCCAT
ATGAAGGGAACATCAACAAAGTGACCATTCAGCAGTTCAGTCCGCACTGCCATCCAGATCCCCTCATC
ACAGGCCACCCGGGACCCAGCCTGGACGGTGTCTAATTCAAACGAAAGGGCAGAGGAGTATGGACGGT
TATCCCGAGCAGTTCTGTGTGAGAATAGAAAAGAACCCTGGGCTTGGATTTAGTATCAGCGGTGGAATTA
GTGGGCAAGGAAATCCTTCAAACCTTCCGACAAGGGTATCTTTGTTACTAGGGTTCAGCCTGATGGACC
AGCATCCAACCTTCTACAGCCCGGGGATAAAATCCTTCAGGCAATGGACACAGTTTGTGCATATGGAA
CACGAAAAAGCTGTTTTACTACTGAAGAGCTTCAGAACACAGTAGACCTAGTTATTCAACGTGAGCTCA
CTGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_057142
Insert Size: 4488 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:	<u>NM_057142.1, NP_476483.1</u>
RefSeq Size:	5109 bp
RefSeq ORF:	4488 bp
Locus ID:	117284
UniProt ID:	<u>P70587</u>
Cytogenetics:	2q45
Gene Summary:	targets the calcium/calmodulin-dependent protein kinase II to the postsynaptic density and may participate in specific adhesion between presynaptic and postsynaptic membranes at glutamatergic synapses [RGD, Feb 2006]