

Product datasheet for MC224666

Lrrc7 (NM_001081358) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc7 (NM_001081358) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lrrc7
Synonyms: AK122498; densin; mKIAA1365
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224666 representing NM_001081358
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCACTGCTGGAGATGACCACCAACGGAAGCTCATTGGCCGCTGGTGCCATGCCGCTGCTCCGTG
 GAGAGGAAGAGATCATCTCAGTGTGGATTACTCCACTGCAGCCTGCAACAGGTGCCAAGGAGGTCTT
 CAACTTCGAACGCACACTAGAAGAGCTCTATCTGGATGCCAATCAGATTGAGGAGCTACCTAAGCAATTG
 TTCAACTGTCAAGCTCTACGAACTAAGCATTCTGATAATGACCTCTCAAGTCTGCCAACCTCCATTG
 CTAGCCTAGTTAACCTGAAAGAACTCGACATCAGTAAAAACGGTGTACAAGAATTTCCAGAAAACATAAA
 GTGCTGTAAGTGTAAACCATAATTGAAGCCAGTGTCAATCCCATTTCTAAACTACCCGATGGCTTCACG
 CAGCTTCTAACCTGACCCAGCTCTACCTGAATGACGCATTCTCGAATTTCTCCAGCTAATTTTGAA
 GACTTGTCAAATTGCGAATACTGGAGTTAAGAGAAAATCACTTGAAGAACTCTACCAAAGTCAATGCACAA
 GTTAGCCAGCTGGAAAGACTTGACCTAGGCAATAATGAATTCAGCGAGCTGCCTGAAGTTCTGGATCAA
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 TAAAGATGTTGGTATACCTGGATATGTCAAAAAACAGGATAGAAAACGGTTGATATGGATATTTCTGGATG
 TGAAGCCCTCGAGGACCTTACTATCATCCAATATGTTGCAACAGCTGCCTGACTCAATAGGATTGCTG
 AAAAAAGTTAACTCTAAAAGTAGATGACAATCACTTACAATGCTACCAACACAATTGAAAAGTTAT
 CTTTATTAGAAGAATTTGACTGCAGCTGCAACGAGCTGGAGTCCCTCCCTCCCACCATTTGGTTACCTGCA
 CAGCCTTCGAACATTAGCGGTTGACGAGAAATTTCTCCAGAGTTGCCAAGAGAAATTTGGAAGCTGTAAG
 AATGTCACCGTTATGTCTCTACGCTCCAATAAGCTAGAATTTCTCCTGAAGAAATTTGGCAGATGCAGA
 GACTGCGTGTCTAAATCTAAGTATAATAGGTTGAAGAATTTGCCATTCTTTTACCAAAGTCAAGA
 GCTTGCAGCATTGTGGCTTTCTGACAATCAGTCCAAGGCCCTTATCCCTCTGCAACAGAAAGCCACCCA
 GAAACCAAGCAAAGGTTACTAACCAACTACATGTTTCCCAGCAGCCCCGTGGTGACGAAGATTTCCAGT
 CAGACAGCGACAGCTTCAACCCACCCTGTGGGAGGAGCAGAGACAACAGCGCATGACTGTTGCCTTTGA
 ATTTGAGGATAAAAAAGAGATGACGAAAGTGCTGGGAAAGTTAAGGCTCTCTCCTGCCAAGCCCTCG
 GACAGGGGCCAGCGTGGGATTACTCTCCAACCTGCCAGGCTGTCTGGCGATTGCTGCACACCATGGGCCA



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GGTGTGATCAGCAGATCCAAGATATGCCCGTCCCCAGAGTGACCCCGAGCTGGCATGGGGTTGTATAAG
 TGGCCTCCAGCAGGAGAGGAGCATGTGTGCTCCATTGCCAGTGGCAGCACAGTCCACCACTCTTCCCTCT
 CTAAGTGGCAGACAGGTTGAAATAAACCTAAAACGATATCCAACCTCTTACCCGGAGGATTTAAAGAATA
 TGGTAAATCTGTTCAAATCTGGTGGTAAGCCAAGCCATGGAGTGCCTGTTGAGAAGTCAAATCCAAC
 AGCTAACACGGAGCAAAGTGTGAAAGAAAAGTTTGAACACAAGTGGCCGGTGGCCCAAAGGAGATTACA
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 TGACAAAACCTCACTGTCTGAATAACAGTGTCTCCTCAGGCACCTACTCAGACTACTCGCCCTCCAAGCT
 TCCTCGGCATCCTCTAACACCCGGATGAAAGTGGGGTCTTGCAGGCAACAGCTAAAGATGCCGTCCATA
 ACTCTTTGTGGGTAACAGGATTGCACCACCTTCCACAGCCTCTAGATGCAAAGCCATTACTCAGCCA
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 AGAGACACCAGGTCCCTTTTCTCCGGGAGTGCCATGGGAATACCACGACCCACCCCTAACAGGAGTCTC
 GGTAAATGTCTTTTCTCAAATCCACTGCCGCCAGATTCTGCTAAAGGTGTTATCGCAATTAGCAAAGCA
 CAGAGAGGCTTTCCCGCTCATGAAAGATATAAAGTCCAACAAGTTCAAAAAGTCCCAGAGTATTGATGA
 GATTGACGTCGGTACCTACAAGTCTATAACATTCACCTAGAAAAGTATGCCTCTGGGAGCGATCACTTA
 GGAAGCCATGAGCGGCCAGACAAGTCTTGGGACCAGAGCATGGCATGTCCAGTATGTCCAGGAGCCAGT
 CAGTACCCATGTTGGATGACGAGATGCTCATGTATGGAAGTAGTAAAGGCCACCCCAACAAAAGCGTC
 TATGACTAAGAAGGTCTATCAGTTTGACCAAAGCTTCAACCCACAAGGAGCGGTGAAGTAAAAGCCGAG
 AAGAGGATTCACCCCTTTTGCACACAATTCTGAGTATGTACAGCAGCCAGTAAAAACATCGCCAAGG
 ATCTGGTCAGCCAGAGCCTACAGAGGATACCCACCATGGAACAGATGTTCTCCTTTCCAGCCATC
 TGTAAATGAGGATGCCATGGTGAATGCTCAGTTCGCCAGCCAGGGGCCAGGGCAGGCTTCTAAGGAGG
 GCTGACTCCCTGGCCAGCTCCACCGAGATGGCCATGTTTCAAGAGGTCAGTGAGCCACAGAGTGGCC
 CTGGTGACAGGTATGGCCGAGCAACCTATAGGGGTGGGCTGGAAGGCCAGAGCAGATTTCAATGACTGA
 TCCCAATTCTCAAGAGGAATGGCAGGTACGAAGATGAGCACCTTCATATCAAGAAGTAAAGCGCAG
 GCGGAAGTTTTCTGCTAAAAACCTTACCAGAGGAGGCGCTGTCTGCCAGGAGCTACAGCACAGAGA
 GTTATGGGGCCTCCAAACCAGGCCAGTTTTCAGCTAGGCTACCATGGCAGCCCTCTGGAAAAATACC
 ATCTGACTATAACTTGGGTAACCTATGGTGACAAGACATCAGATAACAGTATATAAAGACAAGGCCACC
 CCTGTGAAGGGAGAGGAGAGCTGTGGCAAAATGCCGCGAGACTGGAGACAGCAGCTGCTTAGACATATAG
 AAGCTAGAAGGTTAGACAGGAATGCTGCTTACAAACACAACACAGTTAACCTTGGCATGCTGCCCTATGG
 AGGTATTTAGCAATGCATGCAGGCAGAAGCATGACTTTAACTTGCAGACTAAGTCTAAATTTGACCTT
 CAAGACCTACCTCTTCAAGAAAACCCCGTCCAGCAAAGCAACATTTTAGACAATGGACAAGAAGATGTCT
 CTCCTAGTGGCCAATGGAATCCTTACCCACTTGGGAGGCGGGATGACCTCCGGACACCTACTAAAAA
 GGCAGGCAGCCACATTCAGACCTGATGGGGTACAGAGCCTTACGACCCGAGCCGGGAGCAGCAGCCA
 TATGAAGGGAACATCAACAAAGTGACCATTACAGCAGTTCCAATCGCCATTGCCATCCAGATCCCCTCAT
 CACAGGCTACCCGGGACCTCAGCTGGACGGTCTTAATTCAAACGAAAGGGCAGAGGATATGGACGG
 TTATCCCGAGCAGTTCTGTGTGAGGATAGAAAAGAATCCTGGGCTTGATTAGTATCAGCGGTGGAATT
 AGTGGCAAGGAAATCCTTTCAAACCTTCTGACAAGGGTATCTTTGTTACTAGGGTTACGCCTGATGGAC
 CAGCATCAACCTACTACAGCCCGGGATAAAATCCTTCAGGCAAATGGACACAGTTTTGTGCATATGGA
 ACATGAAAAGGCTGTTTTACTACTGAAGAGCTCCAGAACACAGTAGACCTAGTTATTCAACGTGAGCTC
 ACTGCTAA

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001081358

Insert Size:	4629 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:	<ol style="list-style-type: none">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_001081358.2</u> , <u>NP_001074827.1</u>
RefSeq Size:	7462 bp
RefSeq ORF:	4629 bp
Locus ID:	242274
Cytogenetics:	3 H4
Gene Summary:	Required for normal synaptic spine architecture and function. Necessary for DISC1 and GRM5 localization to postsynaptic density complexes and for both N-methyl D-aspartate receptor-dependent and metabotropic glutamate receptor-dependent long term depression. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform 1).