

Product datasheet for **MC221640**

Lrfn2 (NM_027452) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrfn2 (NM_027452) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrfn2
Synonyms:	5730420O05Rik; mKIAA1246; SALM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC221640 representing NM_027452

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

 ATGGAGACTCTGCTTGGTGGGCTGCTGGCTTTTGGCATGGCGTTTGTGTGGTCGATGCCTGCCCAAGT
 ACTGCGTCTGCCAGAATCTGTCTGAGTCACTGGGGACCCGTGTGTCCCTCCAAGGGCTCCTCTTTGTGCC
 CCCTGACATTGACCGGAGGACGGTGGAGCTGCGTCTGGGTGGCAACTTCATCATCCACATTGGCCGCCAA
 GACTTTGCCAACATGACAGGGCTGGTGGATCTGACCTTGTCCAGGAACACCATCAGCCATATCCAGCCCT
 TCTCCTTCTGGACCTTGAGAGCCTCCGCTCCCTGCACCTTGACAGCAACCGGCTACCTAGCCTTGGGGA
 GGACACACTCCGGGCTGGTCAACCTGCAACACCTTATTGTGAACAATAACCAGCTGGGTGGCATCGCT
 GATGATGCCTTTGAAGACTTCTGTGACTTTAGAAGACCTGGACCTATCTTACAACAACCTCCACGGAC
 TTCCCTGGGATTCCGTACGGCGCATGGTCAACCTCCATCAGCTGAGTCTGGACCACAATCTGCTGGACCA
 CATTGCTGAGGGCACTTTTGCAGACCTGCAGAACTGGCCCGCTGGACCTCACATCCAATCGGCTGCAG
 AAATTTCCCCCGACCCCATCTTTGCCCGCTCCAGGCTTCCTTGCTAATGCCAGCGCCCTTTGCCCCAC
 CCCTGTCTTTTAGTTTGGAGGGAACCCGCTGCACTGCAATTGTGAGCTTCTCTGGCTGCGGAGGCTGGA
 GAGGGATGATGACCTGGAGACCTGTGGATCCCCGGAAGTCTCAAGGGTCTGCTACTTTTGGCATATTCTG
 GAGGAGGAGTTTGTGTGTGAGCCGCTCTCATCAGCCAGCACACACAAGCTGCTGGTTCTGGAGGGCC
 AGGCAGCCACTCTTAAGTGAAGGCCATTGGGGACCCAGCCCTTTGATCCACTGGGTGGCCCCGATGA
 CCGCTTGGTGGGAACTCTTCCAGGACTGCTGTATGACAATGGCACCCTGGACATTCTAATTACCACC
 TCTCAGGACAGTGGACCCCTTACCTGCATCGCAGCCAATGCAGCAGGAGAGGCTACGGCCACTGTAGAGG
 TCTCCATTGTGCAGCTCCACACCTTAGTAACAGCACTAGCCGGATGGCACCCCCAAGTCTGCCTTTTC
 GGACATCACAGGTTCCAGCAAGACCCAGCCGGGAGGGGAGGTAGTGGGCTGGGAGCCCTCCCAAAAGC
 ACCCCAGAGAGGCTGTGCTTGTGTCCGATGTTACCACCACATCTGCCCTGGTCAAGTGGTCTGTGACGA
 AGTCAGACCCAGGGTGAAGATGTATCAGCTGCAGTACAAGTGTCTGATGATGAGGTGCTGATCTACAG
 GATGATCCAGCCTCTAACAAGGCTTCGTGGTCAACAACCTGGTGTCCGGAACGGGCTACGACTTGTGC
 GTACTGGCTATGTGGGACGACACAGCCACGACGCTCACAGCCACCAACATTGTGGGCTGTGCCAGTTCT
 TCACCAAGGCGGACTACCCACAATGCCAGTCTATGCACAGTCAGATCCTGGGGGACCATGATTCTGGT
 CATCGGAGGTATCATTGTGGCCACACTGCTGGTCTTCATTGTAATCCTCATGGTGCAGTACAAGGTCTGC
 AACCACGACACCCAGGAAAAATGGCAGCCGCACTGTGCAATGTGTACTCGCAGACCAATGGGTCTC
 AGCCTCCACCTCTGGGTGGGATACCCGTTGGCCAGCTTCTCAGGCACCCCAAGTTGTGGTGCAGAA
 TGAGTTGATGGACTTCAGTACCAGCCTGGCCAGGGCTGTGACTCCTCTTCTCCAGCTCACTGGGCAGC
 GGGGAAGCCGCGGGGCTGGGCCGGGCTCCCTGGAGGCTCCACCCCCAGCTCCTCGTCCCAAGCCAGCC
 TTGACCGCTTGTGGGAGCCTTTGCCTCCCTGGACCTCAAGAGTCAAAGGAAAGAAGAACTTCTAGACTC
 CAGGACTCCAGCAGGCAGAGGGGAGGGACATCATCAGAGGCCACCACTCAGACCGAGAGCCACTGCTG
 GGGCCCCCGGCCACCCGTGCCAGGAGTCTTCTCCCTTTGCCCTGGAGGGCAAGGCCAAACGAAGCCACT
 CTTTGTGATGGGGACTTTGCAGCTGCAGTGCAGCTGTTCTGGTGGCTACAGTCCCCCTAGGCGGGT
 CTCAAACATCTGGACGAAGCGCAGCCTGTCTGTCAATGGCATGCTCTTGCCCTTTGAGGAGAGTGACCTG
 GTGGGAGCCCGGGGACATTTGGCAGCTCAGAGTGGGAATGGAAGTACTGTG**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_027452

Insert Size:

2367 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_027452.3, NP_081728.2</u>
RefSeq Size:	3001 bp
RefSeq ORF:	2367 bp
Locus ID:	70530
UniProt ID:	<u>Q80TG9</u>
Cytogenetics:	17 C
Gene Summary:	Promotes neurite outgrowth in hippocampal neurons. Enhances the cell surface expression of 2 NMDA receptor subunits GRIN1 and GRIN2A (By similarity). May play a role in redistributing DLG4 to the cell periphery.[UniProtKB/Swiss-Prot Function]