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Product datasheet for MR219954

Lrrn4 (NM_177303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrn4 (NM_177303) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrn4
Synonyms:	B430119L13Rik; Nlrr4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR219954 representing NM_177303
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGTGGACGCTGATGCTGCAGCTGCTGCAGCTCCTGCTACAACTGCTGATGGCGCAGAGCCAGAGCC
TGGAAAGGATCTCCCAGGACCGGATCCCCCTCTTCCGACTCACTCAGCAGGGAGACTGGGACAGCCTCGA
CCGCCACCCTACCGACTCTCTCTGTGTAGGACTCCCCGCCGCGGGAGTCACCACTCTGAACTTGGCGAAC
CGCAGCCTGGAGAGCCTGCCTAGCTGCCTGCCGCGCACGCTGCGCAGCCTCGATGGCAGCCACAACCTGC
TGCGCGCCCTTAGCGAGCCTGTGCTCGGCCGCCTGCCCGAGCTGCGCGTACTCACGCTGCACCACAACCG
CATCTCCGTGCTACACTGGGGCCGTGACACGCTGGCCGAGCTGCGTGAGCTCGACCTCAGTCACAACCTG
CTGACCGAGCTGCCGCCCTGCGCGGGGCCCTCGGGGAGCAGCCTGCGCTCGCTGGCGCTGGCCGGGAACC
CACTGCGAGCGCTGCTGCCACGGACCTTTGCATGCTTCCCAGCGCTGCGGCTTCTCAACCTCTCCTGCAG
CGAGCTGGGCCACATCGCCCAGGAGGCATTCGCGGGGGTGGACGGTGGGCCCCTGGCGGCACTGGAGCTC
TTGGATCTGAGCGGCACGAGCCTAGAAAGAGTTGAGTCTGGGTGGATCAGAAACCTGCCAAAGCTCAAGT
CCCTCTTCCTGAGAAAGATGCCCAGGCTGAAGACACTGGAGGGAGACATTTTCAAGATGACTCCCAACCT
GCGGCAGCTGGATTGTGGAGACTCTCCAGCACTTACTTCTGTTCACACAGAGATCTTTCAAGACACACCC
AATCTACAAGTCCTTCAGTTTCAGAACTGCAACTTGAGTTCCTTTGGTCCTTGGAATTCCTCCCAGGTCT
TGTCCGTCAGTCTCTTTGGCAACCCTCTCATTTGCAGCTGTGAGCTGGCTTGGCTTCTCGTGGATGTCAA
CAAAACTGTCTTACACAGGGCAGCTGATACCATGTGTGAGCCTGCTTTAGGATCCACGGGCCCCTTCTCA
GGCCCTCTCTCCCTCTCCCACCTGTCTAATGTGTGCAGGTCAGACCAAAGCACCACCCTCCTGCCTTCAA
ACCCAGGCCGCTTCGATCATTCAGTTTTTGCACCACGGATACAGGGGCCTTCCATTGAACAGAGCACGGC
CTTGTCTGCTCAGCCTGGAGGAAGCCAACAAAATATCACCAAGGTCCCTTCCCTCACCATGACTTCCCCC
ACACAAGGATCATGGATGTATAAAGATGCTTCAGAGGAAACTGCCCAGTCCACTAACTCTGAGCTAGTTT
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AGGCGCTTCAGATGCCGTTGCCCTGGTCTCAGTGGGGAGGATACCACTCCAGACCCTCCCACGCTGCAGG
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TCAGATCCACTATGTGGCAGAAGGACGATCTGGGAATCAATCCGTAGTGGACATCTATGCTACTGCCAGG
CAGCACCCCCTGTACAAGCTGACACCTGGCACCACCTACCATGTGTGTGTACTGGCAGCCAACAGGGCTG
GCCTGAGCCAGTCACAGACCTCAGGCTGGAGGAGGTCATGTGCCACTTTCACAACCAAGCCCAGCTCTGT
GGTCATCTTCTGGGGACTGTGTACCGCCAGTGGCCTGTTACTGGTTAGCACCCTGGTGCTGTCTGTGTGT
CTCTGGAGGCAGCGCTGGAAGCCACACAGGCAGTTCTACGACACACACCTGGTGGCCTTCAAAAACCCAG
CCAGAGCTGAGGAAGTAACTCAGTGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219954 representing NM_177303
Red=Cloning site Green=Tags(s)

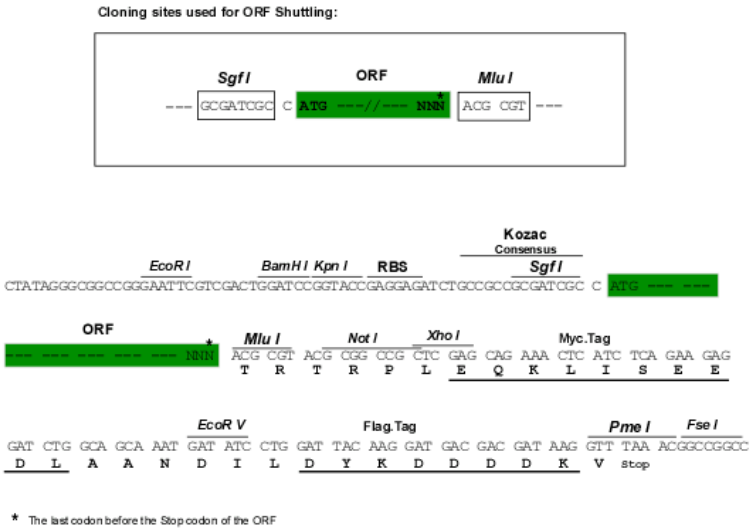
MRWTLMLQLLQLLLQLLMAQSQSLERISQDRIPLFRLTQQGDWDSLDRHPTDSLCVGLPAAGVTTLNLAN
RSLESLPSCLPRTLRSLDGSHNLLRALSEPVLGRLPELRVLTLHHNRISVLHWGRDTLAELRELDLSHNL
LTELPPCAGPSGSSLRSLALAGNPLRALLPRTFACFPALRLLNLSCSELGHIAQEAFAGVDGGPLAALEL
LDLSGTSLERVESGWIRNLPKLKSLFLRKMPRLKTLEGDIFKMTPNLRQLDCGDSPALTSVHTEIFQDTP
NLQVLQFQNCNLSSFGPWNSSQVLSVSLFGNPLICSCELAWLLVDVNKTVLHRAADTMCEPALGSTGPFS
GPLSLSHLSNVCRSDQSTTLLPSNPGRFDHSVFAPRIQGPSIEQSTALSAQPGGSQQNITKVPSLTMTSP
TQGSWMYKDASEETAQSTNSELVYSPSRALPGAASSGAEQTATHILEPNISSASTPLVSKYLEPLPTSPN
PRSLPQTKQRTQATPRALHTDPPQDEIPVLLLDDDSEEEETRDQVAAPPQDVSCEYHPCKHLQTPCAELQ
RRFRCRCPGLSGEDTTPDPPTLQGVSEVTDTSVLVHWCAPNSVVLWYQIHYVAEGRSGNQSVVDIYATAR
QHPLYKLTPGTTYHVCVLAANRAGLSQSQTSGWRRSCATFTTKPSSVVIFWGLCTASGLLLVSTLVLSVC
LWRQRWKPHRQFYDTHLVAFKNPARAEEVTQWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177303

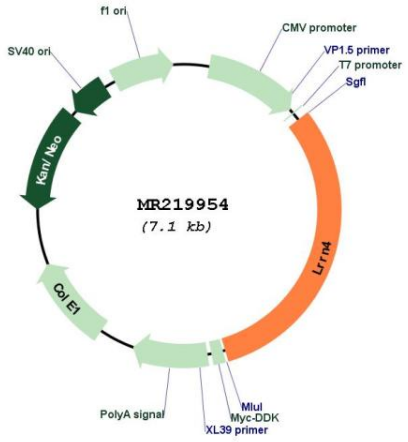
ORF Size: 2199 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_177303.4, NP_796277.2
RefSeq Size:	3475 bp
RefSeq ORF:	2202 bp
Locus ID:	320974
UniProt ID:	P59383
Cytogenetics:	2 F2
MW:	80.9 kDa
Gene Summary:	May play an important role in hippocampus-dependent long-lasting memory. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219954