

Product datasheet for **RC239211**

LRCH4 (NM_001289934) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRCH4 (NM_001289934) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRCH4
Synonyms:	LRN; LRRN1; LRRN4; PP14183
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239211 representing NM_001289934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGCCGTAGCGGCTCCACTCGCCGCCGGGGGTGAGGAGCGGCAGCCACGACCTCCGTGCCCCG
 GGTCTCCAGGTCTGCCGGGGAGACGCAGTGCAGAGCGGGCCCTAGAGGAGGCCGTGGCCACCGGGACCCCT
 GAACCTGTCTAACCGGCGCTTGAAGCACTTCCCCCGGGCGCGGCCCGTAGCTACGACCTGTCAGACATC
 ACCCAGGCTGACCTGTCCCGGAACCGGTTTCCCGAGGTGCCGAGGCGGCGTGCCAGCTGGTGTCCCTGG
 AGGGCCTGAGCCTCTACCACAATTGCTGAGATGCCTGAACCCAGCCTTGGGGAATCTCAGAGCCCTCAC
 CTACCTCAACCTCAGCCGAAACAGCTGTCGCTGCTGCCACCCTACATCTGCCAGCTGCCCTGAGGGTC
 CTCATCGTCAGCAACAACAGCTGGGAGCCCTGCCCCCTGACATCGGCACCCTGGGAAGCCTGCGACAGC
 TTGACGTGAGCAGCAACGAGCTCCAATCCCTGCCCTCGGAAGTGTGTGGCCTCTCTTCCCTGCGGGACCT
 CAATGTCCGGAGGAACGAGCTCAGTACGCTGCCGAAGAGCTGGGGGACCTCCCTCTGGTCCGCCTGGAT
 TTCTCCTGTAACCGCGTCTCCCGAATCCAGTCTCCTTCTGCCGCTGAGGCACCTGCAGGTCATTCTGC
 TGGACAGCAACCTCTGCAGAGTCCACCTGCCAGGTCTGCCTGAAGGGGAACTTCACATCTTCAAGTA
 TTTGTCCACAGAGGCCGGGCAGCGTGGGTGCGCCCTGGGGGACCTGGCCCTTCTCGGCCCCGAGTTTC
 AGTCCCTGCCCTGCAGAGGATCTATTTCCGGGACATCGGTACGATGGTGGGCTGGACTCAGGCTTCCACA
 GCGTTGATAGTGGCAGCAAGAGGTGGTCTGAAATGAGTCAACAGATGAATTTTCAGAGCTGTATTCCG
 GATCTCAGAGCTGGCCCGGGAGCCCCGGGGACCCAGAGAACGCAAGGAGGATGGCTCAGCGGACGGAGAC
 CCTGTGCAGATTGACTTCATCGACAGCCATGTCCCCGGGGAGGATGAAGAGCGAGGCACTGTGGAGGAGC
 AGCGACCACCCGAATTAAGCCCTGGGGCAGGGGACAGGAGAGGGCACCAAGCAGCAGCGGGGAGGAGCC
 GGCAGGGGAGGAGCGGCGCGCCCGGACACCTTGCAAGTGTGGCAGGAGCGGGAACGGCGGCAGCAGCAG
 CAGAGCGGGGCGTGGGGGCCCCGAGGAAGGATAGCCTCTTGAAGCCAGGGCTCAGGGCTGTTGTGGGAG
 GGGCCGCCCGCTGTCCACTCAAGCCATGCACAACGGCTCGCCTAAGTCCAGTGCCTCCCAAGCAGGGGC
 TGCAGCGGGGAGGGAGCCCCGCCCTGCCCTGCCCTCCCAAGAGCCCCCTCCCATAGCTGGACCAGCG
 ACAGCACCTGCTCCACGGCCACTTGGCTCCATTGAGAGACCAACAGCTTCTCTTCCGTTCTCTCTCTC
 AGAGTGGCTCAGGCCCTTCTCACCAGACTCTGTCTGAGACCTCGGCGGTACCCCGAGGTTCCAGATGA
 GAAGGACTTAATGACTCAGCTGCGCCAGGTCTTGAGTCCCGGCTGCAGCGGCCCTGCCTGAGGACCTG
 GCCGAGGCTCTGGCCAGTGGGTGTCCTGTGCCAGCTGGCCAACCAGCTACGGCCGCGCTCCGTGCCCT
 TCATCCATGTGCCCTCCCTGCTGTGCCAAACTCAGTGCCCTCAAGGCTCGGAAGAATGTGGAGAGTTT
 TCTAGAAGCCTGTGAAAAATGGGGTGCCTGAGGAGTCACTGTGCCAGCCCCACCATCTGGAAGAG
 GAGGGGGCCCCGGGAAGGGGCTCCCTACATCGCTGCTGTCTCCACGCCCTGCTGGACCGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

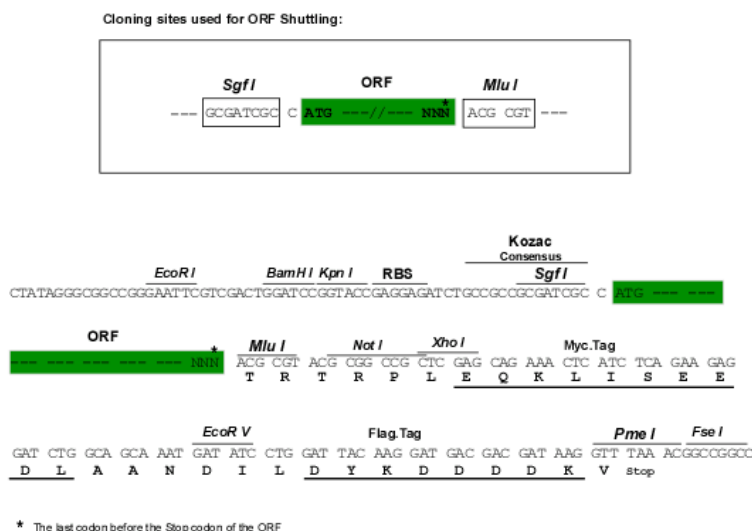
Protein Sequence: >RC239211 representing NM_001289934
Red=Cloning site Green=Tags(s)

MAAAVAAPLAAGGEEAAATTSPVGPSPGLPGRRSAERALEEAVATGTLNLSNRRLKHFPGRGAARSYDLSDI
TQADLSRNRFPVEPEAACQLVLEGLSLYHNCLRCLNPALGNLTALTYLNLARNQLSLLPPYICQLPLRV
LIVSNKLGALPPDIGTLGSLRQLDVSSNELQSLPSELCLGSSLRDLNVRNRQLSTLPEELGDLPLVRLD
FSCNRVSRIPVSFCRLRHLQVILLDSNPLQSPPAQVCLKGKLIHFKYLSTEAGQRGSALGDLAPSRPPSF
SPCPAEDLFPGHRYDGLDSGFHSVDSGSKRWSGNSTDEFSEL SFRISELAREPRGPRERKEDGSADGD
PVQIDFIDSHVPGEDEERTVEEQRPPELSPGAGDRERAPSSRREEPAGEERRRPDTLQLWQERERRQQQ
QSGAWGAPRKDSL LKPLRAVVGAAAVSTQAMHNGSPKSSASQAGAAAGQAPAPAPASQEPLPIAGPA
TAPAPRPLGSIQRPNLFRSSSQSGSGPSSPDVLRPRRYQVPDEKDLMTQLRQVLESRLQRPLPEDL
AEALASGVILCQLANQLRPRSVPIHVPSPAVPKLSALKARKNVESFLEACRKMVGVPESL CQPHHILEE
EGAPGRGLPYIAAVVHALLDRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001289934

ORF Size: 1956 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001289934.2](#)

RefSeq Size: 2307 bp

RefSeq ORF: 1959 bp

Locus ID: 4034

UniProt ID: [O75427](#)

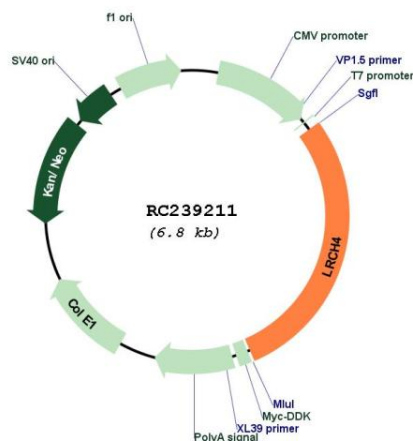
Cytogenetics: 7q22.1

Protein Families: Druggable Genome, Transmembrane

MW: 70.7 kDa

Gene Summary: This gene encodes a protein that contains leucine-rich repeats (LRR) at its amino terminus and that is known to be involved in ligand binding. The carboxyl terminus may act as a membrane anchor. Identified structural elements suggest that the encoded protein resembles a receptor. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC239211