

Product datasheet for **SC122245**

LRCH4 (BC018529) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRCH4 (BC018529) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRCH4
Synonyms:	2810008P14Rik; 2900069C24Rik; AI558103; leucine-rich repeats and calponin homology (CH) domain containing 4; leucine rich repeat protein 4, neuronal; LRN; LRRN4; mFLJ00248; MGC19364; SAP25
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC018529 edited
GAAGGAGGGACGGCCGGTCCCGTCAGTCAGGCAGCGGGAGCCCGGGAGCGGATGGCGG
CGGCCGTAGCGGCTCCACTCGCCGCCGGGGGTGAGGAGGCGGCAGCCACGACCTCCGTGC
CCGGGTCTCCAGGTCTGCCGGGAGACGCAAGTGCAGAGCGGGCCCTAGAGGAGGCCGTGG
CCACCGGGACCTGAACCTGTCTAACCGGCGCTTGAAGCACTTCCCCGGGGCGCGGCC
GTAGCTACGACCTGTAGACATACCCAGGCTGACCTGTCCCGGAACCGTTTCCCGAGG
TGCCCGAGGCGGCGTGCCAGCTGGTGTCCCTGGAGGGCCTGAGCCTCTACCACAATTGCC
TGAGATGCCTGAACCCAGCCTTGGGGAATCTCACAGCCCTCACCTACCTCAACCTCAGCC
GAAACCAGCTGTGCTGTGCCACCCTACATCTGCCAGCTGCCCCTGAGGGTCTCATCG
TCAGCAACAACAAGCTGGGAGCCCTGCCCCCTGACATCGGCACCCTGGGAAGCCTGCGAC
AGCTTGACGTGAGCAGCAACGAGCTCCAATCCCTGCCCTCGGAAGTGTGTGGCCTCTCTT
CCCTGCGGGACCTCAATGTCCGGAGGAACCAGCTCAGTACGCTGCCCGAAGAGCTGGGGG
ACCTCCCTCTGGTCCGCCTGGATTTCTCCTGTAACCGCTCTCCGAATCCAGTCTCCT
TCTGCCGCTGAGGCACCTGCAGGTCATTCTGCTGGACAGCAACCCTCTGCAGAGTCCAC
CTGCCCAGGTCTGCTGAAGGGGAACTTCACATCTTCAAGTATTTGTCCACAGAGGCCG
GGCAGCGTGGGTGGGCCCTGGGGGACCTGGCCCTTCTCGGCCCCGAGTTTCAGTCCCT
GCCCTGCAGAGGATCTATTTCCGGGACATCGGTACGATGGTGGGCTGGACTCAGGCTTCC
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AGGATGGCTCAGCGGACGGAGACCCTGTGCAGATTGACTTCATCGACAGCCATGTCCCCG
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CAGGGGACAGGGAGAGGGCACCAAGCAGCAGCGGGGAGGAGCCGGCAGGGGAGGAGCGCG
GGCGCCCGGACACCTTGACGTGTGGCAGGAGCGGGAACGGCGGCAGCAGCAGCAGAGCG
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GAGGGGCGCGCGCGTGTCCACTCAAGCCATGCACAACGGCTCGCCTAAGTCCAGTGCCT
CCCAAGCAGGGGCTGCAGCGGGGAGGGAGCCCCGCCCTGCCCTGCCCTCCAAGAGC
CCCTTCCCATAGCTGGACCAGCGACAGCACCTGCTCCACGGCCACTTGGCTCCATTGAGA
GACCAACAGCTTCTCTTCCGTTCTCCTCTCAGAGTGGCTCAGGCCCTTCTCACCAG
ACTCTGTCCTGAGACCTCGGCGGTACCCCAAGTTCCAGATGAGAAGGACTTAATGACTC
AGCTGCGCCAGGTCTTGAGTCCCGGCTGCAGCGGCCCTGCCTGAGGACCTGGCCGAGG
CTCTGGCCAGTGGGGTATCCTGTGCCAGCTGGCCAACCAGCTACGGCCGCGCTCCGTGC
CCTTCATCCATGTGCCCTCCCCTGCTGTGCCAAAACCTCAGTGCCCTCAAGGCTCGGAAGA
ATGTGGAGAGTTTTCTAGAAGCCTGTGCAAAAATGGGGGTGCCTGAGGCTGACCTGTGCT
CGCCCTCGGATCTCCTCCAGGGCACTGCCCGGGGGCTGCGGACCGCGCTGGAGGCCGTGA
AGCGGGTGGGGGCAAGGCCCTACCGCCCTCTGGCCCCCTCTGGTCTGGGCGGCTTCG
TCGTCTTCTACGTGGTCTCATGCTGCTCTATGTACCTACACTCGGCTCCTGGGTT
CCTAGGCCCAAAATCGGCCCTCCCTCACCCCTTTCCCTTCTCTATTATAAGGTCC
CTGCTCCACCCGACCCACCTGCGGTGCCTTACGCCCCAACCAAGACACTAGTGACCC
CCTTCACAGACACTGACCTCAGAGGCCCCACTCTGGTGCCCCCAGACCCTGGGCCCCAG
CCTCTGGCTCCCTCCAGTAGCCCCACGAGTCCCCACCTCTCAGTGCTGACGGTGCCTTC
ATGTCCCCGCGGCCCTGCCCTGCTGTACCCCGTGAGGGGTGGCAGGAGCTGGAG
TCTCCCCCTTCTCCTGTGCCCTCCCCTTCCCCCCCCAACAGCTGCTATGGGGGGCTAA
ATTATCTCTATTTGTAGAGAGGATCTATTTGTAGGGGTTCGGGGGCCAGGCCGGTCT
CCTATCTCTGTGTATAAACTGTACAGACCGTGAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC018529 unedited <pre> NNNNCCAGGTCAGAAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGGATATCG TCGACCCACGCGTCCGGAAGGAGGACGGCCGGTCCCGTCAGTCAGGCAGCGGGAGCCGCC GGGAGCGGATGGCGGCGGCCGTAGCGGCTCCACTCGCCGCGGGGGGTGAGGAGCGGGCAG CCACGACCTCCGTGCCCGGGTCTCCAGGTCTGCCGGGAGACGCAGTGCAGAGCGGGCCC TAGAGGAGGCCGTGGCCACCGGGACCTGAACCTGTCTAACCGGCGCTTGAAGCACTTCC CCCGGGCGCGGCCGTAGCTACGACCTGTCAGACATCACCCAGGCTGACCTGTCCCGGA ACCGGTTTCCCGAGGTGCCCAGGCGGCGTGCCAGCTGGTGTCCCTGGAGGGCCTGAGCC TCTACCACAATTGCCTGAGATGCCTGAACCCAGCCTTGGGGAATCTCACAGCCCTCACCT ACCTAGACCTCAGCCGAAACCAGCTGTCGCTGCTGCCACCCTACATCTGCCAGTGCCCC TGAGGGTCTCATCGTCAGCAACAACAAGCTGGGAGCCCTGCCCTGACATCGGCACCC TGGGAAGCTGCGACAGTTGACGTGAGCAGCAACGAGCTCCAATCCCTGCCCTCGGAAC TGTGTGGCTCTTCTCCCTGCGGACCTCAATGTCCGGAGGAACCAGCTCAGTACGCTGC CCGAAGAGCTGGGGACCTCCCTCTGGTCCGCTGGATTTCTCCTGTAACCGCGTCTCC GAATCCCAGTCTCCTTCTGCCGCTGAGGCACCTGCAAGTCATTCTGCNTGGACAGCACC CTCTGCAGAGTCCACCTGCCAGTCTGCCTGAAGGAAAACCTCCATCTTCAG </pre>
Restriction Sites:	Please inquire
ACCN:	BC018529
Insert Size:	2569 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:	BC018529.1 , AAH18529.3
RefSeq Size:	2569 bp
RefSeq ORF:	2049 bp
Locus ID:	4034
Cytogenetics:	7q22.1
Protein Families:	Druggable Genome, Transmembrane

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]