

Product datasheet for **SC327634**

LRCH1 (NM_001164213) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRCH1 (NM_001164213) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRCH1
Synonyms:	CHDC1; NP81
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001164213, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACGCCGGGAAGCGAACCCCAACCTTTCGTCCCGGCCCTTTCGGTAGCTACTCTG
CACCCACTTCATCATCCCCACCACCACCACCACCACATCAGCACCACGGAGGAACCGGC
GCCCCCGCGGGGCGGGTGGTGGCGGGTGGCAGCGGGGCTTCAACCTGCCCTTGAAC
CGGGGTCTGGAGCGCGCTTGAGGAGGCGGCCAACTCCGGGGGCTGAACCTGAGCGCC
AGGAAATTGAAGGAATTTCCCGTACCGCAGCCCCGGGCACGACCTCTCGGACACGGTG
CAGGCAGACTTATCTAAAAACAGACTGGTTGAAGTTCCAATGGAATTGTGCCATTTTGT
TCACTGGAATTTCTAATCTGTATCACAACGTATCAGAGTCATTCTGAGGCCATCGTT
AATCTGCAGATGCTGACTTACCTGAACCTGAGTCGAAATCAGCTGTCCGCCCTGCCTGCC
TGCCTGTGTGGTCTGCCTCTCAAAGTCTTAATCGCAAGTAACAACAACTTGGATCATT
CCAGAAGAGATAGGTGAGCTCAAACAGTTAATGGAGCTGGATGTCAGCTGCAACGAGATC
ACAGCGTTGCCCCAGCAGATAGGTGAGTTGAAATCTCTACGAGAACTGAATGTCAGAAGA
AATTACCTTAAAGTTTTACCACAAGAACTAGTAGATCTTCCCTTGGTAAAGTTTGACTTT
TCCTGCAACAAAGTGCTCGTGATTCCAATTTGTTTATAGAGAGATGAAGCAGCTGCAAGTG
TTACTACTTGAGAATAACCCCTCTGAGTCTCTCCAGCACAGATTGACAAAAGGCAAA
GTTACATATTTAAGTATCTGAGCATACAAGCATGCCAGATTAAGACAGCTGACTCCCTT
TATCTCCACACCATGGAGAGGCCACATTTACACCAGCAGTGGAAGATGGCAAGAAGGAT
TCTGATTCGGGAGTTGGAAGTGATAATGGAGATAAGCGATTATCTGCCACCGAGCCTTCT
GACGAAGACACTGTTAGCCTCAATGTGCCAATGTCAAACATCATGGAAGAAGAACAGATC
ATCAAGGAGGACTCGTGCCATCGCCTTAGCCCCGTTAAAGGGGAATTTTCATCAGGAATTT
CAACCGGAGCCTTCCCTTTTGGGTGACAGCACCAACTCAGGAGAAGAAAGAGACCAGTTT
ACTGATAGAGCAGATGGTCTCCATTTCGGAATTTATGAACATAAGGCAAGGGCAGAAGAC
TGTGAAGAGCTGTTACGGATAGAAGAGGATGTGCACTGGCAAACTGAGGGCATAATAAGT
TCATCCAAAGATCAGGACATGGATATAGCAATGATCGAGCAGCTGAGAGAAGCAGTAGAT
TTGCTGCAAGATCCCAATGGATTAAGCACAGATATTACAGAGAGAAGTGTTTTAAACCTA
TATCTATGGGATCAGCAGAAGCCTTAGAATTACAAGATTCTGCACTGAATGGTCAAATA
CAGCTGGAGACATCTCCGGTGTGTGAGGTGCAAAGTGATCTAACATTACAGAGTAACGGG
AGCCAGTATTCTCAAATGAGATTAGAGAGAACTCCCCTGCAGTCTCTCCTACCACAAAC
AGCACAGCTCCATTTGGCCTGAAGCCTCGATCAGTGTCTTCTAAGACCTCAGAGAAATTTG
GAATCTATAGACCCGAGTTTACAATCCGAGGAAAAATGGAGCAGATGAGAGAAGAGAAA
GAGCTGGTGGAACAACCTTCGTGAGAGCATTGAGATGAGATTGAAGGTGAGTCTACACGAA
GACCTGGGGGCGAGCCCTCATGGATGGTGTCTGCTCTGCCATCTGGTCAACCACATCCGC
CCACGGTCGGTTGCAAGCATCCATGTCCCATCACCAGCGGTTCCCAAACTTAGCATGGCC
AAATGCAGAAGAAATGTGGAAAACCTTTTGGGAAGCGTGCCGAAAATTAGGAGTACCAGAG
GAAAAGCTATGTCTCCCCACCACATCCTTGAAGAAAAAGGCCTGGTCAAAGTGGGCATT
ACCATTCAGCATTACTAGACATCACCGTAACGAAGGCTCTGTTTACA

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Restriction Sites: Please inquire

ACCN: NM_001164213

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001164213.1, NP_001157685.1</u>
RefSeq Size:	4731 bp
RefSeq ORF:	2091 bp
Locus ID:	23143
UniProt ID:	<u>Q9Y2L9</u>
Cytogenetics:	13q14.13-q14.2
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a protein with a leucine-rich repeat and a calponin homology domain. Polymorphism in this gene may be associated with susceptibility to knee osteoarthritis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2010] Transcript Variant: This variant (3) lacks an alternate in-frame exon and uses an alternate 3' exon, compared to variant 1. These differences result in a distinct 3' UTR, compared to variant 1, and a shorter protein (isoform 3) with a distinct C-terminus, compared to isoform 1.