

Product datasheet for **SC314558**

LRCH1 (NM_015116) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRCH1 (NM_015116) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRCH1
Synonyms:	CHDC1; NP81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC314558 representing NM_015116.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGACGCCGGGAAGCGAACCCCAACCTTTCGTCCCGGCCCTTTCGGTAGCTACTCTGCACCCACTT
CATCATCCCCACCACCACCACCACCACCATCAGCACACGAGGAACCGCGCCCCCGGGGGCGGGT
GGTGGCGCGGTGGCAGCGGGGGCTTCAACCTGCCCTTGAACCGGGTCTGGAGCGCGCTTGAGGAG
GCGGCCAACTCCGGGGGCTGAACCTGAGCGCCAGGAAATTGAAGGAATTTCCCGTACCGCAGCCCCC
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GAGAACTCCCCTGCAGTCTCTCTACCACAAACAGCACAGCTCCATTTGGCCTGAAGCCTCGATCAGTG
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ATGAGAGAAGAGAAAGAGCTGGTGAACAACCTTCGTGAGAGCATTGAGATGAGATTGAAGGTGAGTCTA
CACGAAGACCTGGGGGACGCCCTCATGGATGGTGTCTGCTCTGCGCATCTGGTCAACCACATCCGCCCA
CGGTGGTTGCAAGCATCCATGTCCCATCACCAGCGGTTCCCAAACCTTAGCATGGCCAAATGCAGAAGA
AATGTGGAACCTTTTGGAAAGCGTGCCGAAATTAGGAGTACCAGAGGCTGACCTCTGCTCTCCGTGT
GACATCTGCAGTTGGATTTTCTGCACATTGAAAGACTGTTGACACTCTGCTGGCACTCGGGGAGAAA
GCCCCACCACCACTTCTGCCCTCCGCTCCAGGACCTTATAGGCTTCTGTCTTGTCCATATTCTCTTT
ATAGTGTGGTCTATATCACTTACCACTGGAATGCTCTGTCCGCA
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SgfI-MluI

ACCN:

NM_015116

Insert Size:

2187 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).

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_015116.2</u>
RefSeq Size:	5490 bp
RefSeq ORF:	2187 bp
Locus ID:	23143
UniProt ID:	<u>Q9Y2L9</u>
Cytogenetics:	13q14.13-q14.2
Protein Families:	Transmembrane
MW:	80.9 kDa
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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.