

Product datasheet for **SC318453**

LRRCC1 (NM_033402) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRCC1 (NM_033402) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRCC1
Synonyms:	CLERC; CLERK; SAP2; VFL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318453 representing NM_033402. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGAGGCGGCGCGCGGTGGTGGCGGAGAGCGGAAGTGGAAACGAAGACGGCGACAGCAGCTGC
GGGGATGTATGCTTCATGGACAAAGGCTTGCAGAGCATATCAGAATTATCTTTAGATTCAACTCTTCAT
GCCGTCAATCTTCATTGCAATAACATCTCCAAGATCGAAGCCATTGATCATATTTGGAATTTACAACAT
CTAGATCTGTCTAATCAAATAAGTAGAATTGAAGGACTAAACACACTGACAAAAGTGTGCACATTA
AATTTGCTCTGCAATTTGATTACAAAAGTAGAAGGACTGAAGAATAATTAATCTGACTAGACTAAAT
GTATCTTATAACCATAGATGATCTTAGTGGATTGATCCCTTCATGGAATTAAGCATAACTTAGA
TATATTGATCTACATAGTAATCGTATAGATAGTATCCATCACTTACTTCAGTGTATGGTAGGATTGCAC
TTCCTGACCAATCTTATTTGGAGAAAGATGGAGACGATAATCCTGTCTGTGCTGACTGCCAGGGTACAGA
GCAGTTATTCTCCAGACTTTGCCACAGCTTAGAATCCTAGATTGCAAGAACATATTTGGTGAACAGTA
AATTTGACAGAAATAAATTCATCACAGCTGCAGTGCCTAGAAGGTCTTTTGGATAATTTAGTTTCTTCT
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GAGTTAGTTCCCTTGAACAGTTTGCAAGTACACCAAGTATGCTGTGTTGACGCTCTTTATGTCTGTG
TGTCATCTTCTGAGCCAGAGAAAAATAATCATGAAAACGATTTGCAGAATGAGATAAACTTCAGAAA
TTAGATGACCAAAATCTACAATCTTAAATGAACTTCTAATTCATAGATAACGTTCTTGAGAAAGAC
CCCAGACCAAAAAGAGACACAGATATAACTTCTGAAAGTGACTATGGAACAGAAAAAGAAATGCAATAGA
AAAGTTCTCTGAAGATCAAAAATCCCTTATGATGCCAAAACCATTCAACTATTAAGCACCAATAAAA
AACTACAATCTTTTGAAGTTGTAATCGTAAAATGAAACCACCTTACCTTAAAGAATTATATGTAAGC
TCATCTTTAGCAAATGCTCTATGTTACAAGAATCAGAAAAGCCAAAGACTGAAATAATTAAGTAGAC
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TGGAGAGCTGAGCAAGCCGAAAAATAACTCATGGATTATATTGATGAGCTGCATAAATGCAAATGAA
AAAGAGGATATTCATAGTCTGGCTCTACTTACCACAGATAGGCTAAAGGAAATATTTTTAGAGAGAGA
AATTCAAAGGACAACCTCGAAGTTATGGTTCACAACTTCAAAATGAAATTAATAAACTGACTGTTGAA



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CTAATGAAAGCAAAAGATCAACAAGAGGATCACCTTAAACACTTAAGAACCCTCGAAAAACATTAGAA
 AAAATGGAGAGACAAAAAGGCAGCAGCAGGCAGCACAGATAAGACTGATCCAAGAGGTGGAACCAAA
 GCTTCAGCTGCCGATAGAGAAATATACTTACTTAGAACTTCCCTTCATCGAGAAAGAGAACAGCGCAA
 CAACTTCATCACTTCTTGCAATTGAAAGAACAGGAACACAGGAAGGAAGTTGAAACAAGGGAGTTTTT
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 GATCTGACCTGTATGGTAAAGGAACAAAAACAAAACCTGGCAGAAGTTTCTAAATTGAAACAAGAAACA
 GCAGCAAAATTTACAGAATCAAATCAACACCCTTGAAATTTTAATTGAAGATGACAAGCAGAAGAGTATT
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 AATCGTGGAAAATTGGAGGCTCAAATTGAGAGTTTATCTAGAGAGAATGAATGTCTGCGAAAGACAAAT
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 TTTAAAGATTGTTACAAGAAAAGATGAACACATCAAAGATTACAAGAAAAGATCACAGAAATAGAA
 AAATGCACTCAAGAACAACCTTGATGAAAAATCTTCACAACCTGGATGAGGTAAGTGAAGATTGGAAGG
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 AAAGCTTACAGTACACTGAATCGGAAGTGGCATGATAAAGGAGAACTTCTATGTCATCTTGAAACACAA
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 GAACTACAAAAGAATGCAATGAAAAAATTCATAGTATGGATGATGCCTTTAAAAGACAAGTTGATGCA
 ATTGTTGAAGCTCATCAAGCTGAAATAGCACAGCTGGCCAATGAAAGCAGAAAGTGATTGATTCTGCA
 AATTTAAAGGTCCATCAAATTGAAAAAGAAATGCGTGAACCTTTTGAAGAAACATGCAAGAACAACAAA
 ACAATGGAAGCAAAAATTAAGCAACTTGCTTTTGCTTTAAATGAAATTCAGCAAGATATGTA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_033402
Insert Size:	3099 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_033402.4</u>

RefSeq Size: 3876 bp

RefSeq ORF: 3099 bp

Locus ID: 85444

UniProt ID: [Q9C099](#)

Cytogenetics: 8q21.2

MW: 119.6 kDa

Gene Summary: This gene encodes a centrosomal protein that maintains the structural integrity of the centrosome and plays a key role in mitotic spindle formation. The encoded protein contains an N-terminal leucine-rich repeat domain and a C-terminal coiled-coil domain. It associates with the centrosome throughout the cell cycle and accumulates on the mitotic centrosome. [provided by RefSeq, Mar 2017]
Transcript Variant: This variant (1) encodes the longest isoform (1).