

Product datasheet for **SC108443**

LRRC48 (DRC3) (NM_031294) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC48 (DRC3) (NM_031294) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC48
Synonyms:	CFAP134; LRRC48
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_031294, the custom clone sequence may differ by one or more nucleotides

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ATGAACCAGCCGTGCAACTCGATGGAGCCGAGGGTGATGGACGATGACATGCTCAAGCTGGCCGTCGGGG
ACCAGGGCCCCAGGAGGAGGCCGGGCAGCTGGCCAAGCAGGAGGGCATCCTCTTCAAGGATGCTCTGTC
CCTGCAGCTGGACTTTTCGGAACATCCTCCGCATAGACAACCTCTGGCAGTTTGAGAACTTGAGGAAGCTC
CAGCTGGACAATAACATCATTGAGAAGATCGAGGGCCTGGAGAACCTCGCACACCTGGTCTGGCTGGATC
TGTCTTTCAACAACATTGAGACCATCGAGGGGCTGGACACACTGGTGAACCTGGAGGACCTGAGCTTGTT
CAACAACCGGATCTCAAGATCGACTCCCTGGACGCCCTCGTCAAGCTGCAGGTGTTGCTGCTGGGCAAC
AACCGGATTGACAACATGATGAACATCATCTACCTCCGGCGGTTCAAGTGCCTGCGGACGCTCAGCCTCT
CTAGGAACCTATCTCTGAGGCAGAGGATTACAAGATGTTTCATCTGTGCCTACCTTCTGACCTCATGTA
CCTGGACTACCGGCGATTGATGACCACACAAAAAGCTTGGGGAGGCTAAGCACCAGTACAGCATCGAC
GAGCTGAAGCACCAGGAGAACCTGATGCAGGCCAGCTGGAGGACGAGCAGGCGCAGCGGGAGGAGCTAG
AGAAGCACAAGACTGCGTTTGTGGAACACCTGAATGGCTCCTTCTGTTGACAGCATGTACGCTGAGGA
CTCAGAGGGCAACAATCTGTCCTACCTGCCTGGTGTGCGTGAGCTCCTTGAGACCTACAAGGACAAGTTT
GTCATCATCTGCGTGAATATTTTGTAGTATGGCCTGAAACAGCAGGAGAAGCGGAAAAACAGAGCTTGACA
CCTTCAGTGAATGTGTCGCTGAGGCCATCCAGGAAAACCAGGAGCAGGGCAAACGCAAGATTGCCAATT
CGAGGAGAAGCACTTGTGCGAGTTAAGTGCCATTCGAGAGGAGTTGGAACGCCAACATTGAGAAGATG
ATCCTAGAATGCAGTGTGACATCAGTGAGTTGTTTCGATGCGCTCATGACGCTGGAGATGCAGCTGGTGG
AGCAGCTGGAGGAGACTATAACATGTTTGAAGGAACATTGTTGACATGGTAGGACTGTTTATCGAAAA
TGTCCAAAGCCTGATGGCTCAGTGCCGGGACCTGGAGAATCACCACCACGAGAAGCTCCTGGAGATCTCT
ATCAGCACCTGGAGAAGATTGTCGAGGGCGACCTGGACGAGGACCTGCCTAACGACATCGCGCGCTTT
TTGTTCGATAAAGATACGATTGTTAATGCTGTGCGGGCATCGCACGACATCCACCTCCTGAAGATTGACAA
TCGAGAAGATGAGCTGGTGACAGGAATCAACTCTTGGTGTACACGTTTAAATAGACAGGATTACAAAGGAT
GAGATCATGAGGAACCGCAAGCGCTGAAGGAGATCAATCAGTACATCGACCACATGCAGAGCGAACTGG
ACAACCTGGAATGTGGCGACATCCTAGACTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031294 unedited

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TCAAATTTATGTATACGACTCACTATATGGGCGGCCGGAATTCGCACGAGGCAAGTCCG
ATCGCTTGTTCCCCAGCAACCGGGAGACGCGTCTGCTGCGTGGAACCGCCGAGTTCCCA
GCGCTTGAGAAGGAAAATTCTGGATCTGTTATCTGTGAGGAGGCCACTCCGTTGACAGTT
GTGTAAACTCTGCTGCTTTCCCGAGCTCCAACCTCTCTGGTCTTCAACAACACTATCAT
CAGGGAAAACGTGGGGGAAGATGAACCAGCCGTGCAACTCGATGGAGCCGAGGGTGATGG
ACGATGACATGCTCAAGCTGGCCGTGCGGGACCAGGGCCCCCAGGAGGAGGCCGGGCAGC
TGGCCAAGCAGGAGGGCATCCTCTTCAAGGATGTCTGTCCCTGCAGCTGGACTTTCGGA
ACATCCTCCGCATAGACAACCTCTGGCAGTTTGAGAACTTGAGGAAGCTGCAGCTGGACA
ATAACATCATTGAGAAGATCGAGGGCCTGGAGAACCTCGCACACCTGGTCTGGCTGGATC
TGTCTTTCAACAACATTGAGACCATCGAGGGGCTGGACACACTGGTGAACCTGGAGGACC
TGAGCTTGTTCAACAACCGGATCTCAAGATCGACTCCCTGGACGCCCTCGTCAAGCTGC
AGGTGTTGCTGCTGGGCAACAACCGGATTGACAACATGATGAACATCATCTACCTTCGGC
GGTTCAAGTGCCTGCGGACGCTCAGCCTCTCTAGGAACCTATCTCTGNAGCAGAGGATT
ACAAGATGTTTCATCTGTGCCTACCTTCTGACCTCATGTACCTGGACTACTGGCGCATTG
ATGACCACACAAAAAGCTTGGCGAGGCTAAGCACCAGTACAGCATCGACGAGCTGCAGC
ACCAGNAGAACTGATGCACGCCACTGNAGGACAGCACGCGCACCGAAGTACC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_031294 unedited NNTTTAGCTATGGACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTATGAGTAGGGGAAATGTGAAATGAGTCCTTTATTTTCTCTACTTTTGG AGTTTTTCAGGGGTGGGGGAAAATGGTGTGGGGATCGCGGTTGAAAGATGCCAGCA ACTCTCTAAAGGTGCGGGTGAGGCGTGTGCACTTCCTTCTCTGGCTGGGGCTGGTGCTA GTTTTGAAGAAGCTCCTGTGGCTGACATTCATCTAGTCTAGGATGTCGCCACATCCAG GTTGCCAGTTTCGCTCTGCATGTGGTGTGACTGATTGATCTCCTTCCAGCGTTGCG GTTCTCATGATCTCATCCTTGGGAATCCTGTCTATTAACGTGTACACCAAGAGTTGAT TCTGGTACCAGCTCATCTTCTCGATTGTCAATCTTCCAGGAGGTGGATGTCGTGCGATGC CCCGACAGCATTAAACAATCGTATCTTTATCGACAAAAAGCGCGCAGGTCGTTAGGCAG GTCCTCGTCCAGGTCGCCCTCGACAATCTTCTCCAGGGTGTGATAGAGATCTCCAGGAG CTTCTCGTGGTGGTATTCTCCAGGTCGCCGACTGAGCCATCGTGCAGCCCCGAGTTAA GCAAAGGCCCGGGAGGAGCAGGCCCGCGCGTCCCTGATGCTCTCAGACGGCGGGAGACA GACTTTAAGGGCCAGGCGAGCTCGGAAATCTGGCTGGAGACCGTCCCTTACAAGCTC CGAACCTGGGCCTTCTCGACTCCCTGCCCTTGCCCCCTTGGACGGACCCTGGGCC CTTGCATACACTTTTTTCTNCTGAATGAAGCTCCGGCCTCTGGTTAACGCTTTTACCC TGTGATTGGCCCACTTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_031294
Insert Size:	3410 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:	<ol style="list-style-type: none"> 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:	NM_031294.2 , NP_112584.2
RefSeq Size:	2078 bp
RefSeq ORF:	1572 bp
Locus ID:	83450
UniProt ID:	Q9H069
Cytogenetics:	17p11.2

Gene Summary:

Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a).