

Product datasheet for **SC324330**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031294.2
 CCTTAGCAACCAAGTCGCGGCGCTTGGTCCCCAGCAACCGGGAGACGCGTCTGCTGCGT
 GGAACCGCCGAGTTCCCAGCGCTTGAGAAGGAAAATTCTGGATCTGTTATCTGTGAGGAG
 GCCACTCCGTTGACAGTTGTGTA AAACTCTGCTGCTTTCCCAGCTCCAACCTCTCTGGT
 CTTCAACAACACTATCATCAGGAAAACGTGGGGGAAGATGAACCAGCCGTGCAACTCGA
 TGGAGCCGAGGGTGATGGACGATGACATGCTCAAGCTGGCCGTCGGGGACCAGGGCCCCC
 AGGAGGAGGCCGGCAGCTGGCCAAGCAGGAGGGCATCCTCTTCAAGGATGTCCTGTCCC
 TGCAGCTGGACTTTCGGAACATCCTCCGCATAGACAACCTCTGGCAGTTTGAGA ACTTGA
 GGAAGCTGCAGCTGGACAATAACATCATTGAGAAGATCGAGGGCCTGGAGAACCTCGCAC
 ACCTGGTCTGGCTGGATCTGTCTTTCAACAACATTGAGACCATCGAGGGGCTGGACACAC
 TGGTGAACCTGGAGGACCTGAGCTTGTTCACAACCGGATCTCCAAGATCGACTCCCTGG
 ACGCCCTCGTCAAGCTGCAGGTGTGTCGCTGGGCAACAACCGGATTGACAACATGATGA
 ACATCATCTACCTTCGGCGGTTCAAGTGCCTGCGGACGCTCAGCCTCTCTAGGAACCTA
 TCTCTGAGGCAGAGGATTACAAGATGTTTCTGTGCTACCTTCTGACCTCATGTACC
 TGGACTACTGGCGATTGATGACCACACAAAAAAGCTTGGGAGGCTAAGCACCAGTACA
 GCATCGACGAGCTGAAGCACCAGGAGAACCTGATGCAGGCCAGCTGGAGGACGAGCAGG
 CGCAGCGGGAGGAGCTAGAGAAGCACAAGACTGCGTTTGTGGAACACCTGAATGGCTCCT
 TCCTGTTTGACAGCATGTACGCTGAGGACTCAGAGGGCAACAATCTGTCTACCTGCCTG
 GTGTCCGTGAGCTCCTTGAGACCTACAAGGACAAGTTTGTTCATCATCTGCGTGAATATTT
 TTGAGTATGGCCTGAAACAGCAGGAGAAGCGGAAAACAGAGCTTGACACCTTCAGTGAAT
 GTGTCCGTGAGGCCATCCAGGAAAACAGGAGCAGGGCAAACGCAAGATTGCCAAATTCG
 AGGAGAAGCACTTGTGAGTTTAAAGTCCATTGAGAGGAGTTGGAACGCCAACATTG
 AGAAGATGATCCTAGAATGCAGTGTGACATCAGTGAAGTTGTTTCGATGCGCTCATGACGC
 TGGAGATGCAGCTGGTGGAGCAGCTGGAGGAGACTATAAACATGTTTGAAAGGAACATTG
 TTGACATGGTAGGACTGTTTATCGAAAATGTCCAAGCCTGATGGCTCAGTGCCGGGACC
 TGGAGAATCACCACCACGAGAAGCTCCTGGAGATCTCTATCAGCACCTGGAGAAGATTG
 TCGAGGGCGACCTGGACGAGGACCTGCCTAACGACCTGCGCGCGCTTTTTGTGATAAAG
 ATACGATTGTTAATGCTGTGCGGGCATCGCACGACATCCACCTCCTGAAGATTGACAATC
 GAGAAGATGAGCTGGTGACCAGAATCAACTCTTGGTGTACACGTTTAAATAGACAGGATTC
 ACAAGGATGAGATCATGAGGAACCGCAAGCGCTGAAGGAGATCAATCAGTACATCGACC
 ACATGCAGAGCGAACTGGACAACCTGGAATGTGGCGACATCCTAGACTAGATGAATGTCA
 GCCACAGGAGCTTCTTCAAACATAGCACCCAGCCAGGAGGAAGGAAGTGCACACG
 CCTCACCCGCACCTCTAGAGAGTTGCTGGGCATCTCTCAACCGCGATCCCCAACACCATT
 CTTCCCCCACCCTGGAAAAACTTCAAAAAGTAGAGAAAAATAAAGGACTCATTTACAAA
 AA
 AA

Restriction Sites: Please inquire

ACCN: NM_031294

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: [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).