

Product datasheet for **SC123450**

LRRC48 (DRC3) (BC040276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	LRRC48
Synonyms:	DKFZP586M1120; DKFZp586M1120; leucine rich repeat containing 48
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for BC040276 edited
 TGCTGCGTGAACCGCCGAGTTCCAGCGCTTGAGAAGGAAAAATTCTGGATCTGTTATCT
 GTGAGGAGGCCACTCCGTTGACAGTTGTGTAAGTCTGCTGCTTTCCAGCTCCAACC
 TCTCTGGTCTTCAACAACACTATCATCAGGGAACCTGAGGGAAGATGAACAGCCGTG
 CAACTCGATGGAGCCGAGGTGATGGACGATGACATGCTCAAGCTGGCCGTCGGGGACCA
 GGGCCCCAGGAGGAGCCGGCAGCTGGCAAGCAGGAGGGCATCCTCTTCAAGGATGT
 CCTGTCCCTGCAGCTGGACTTTCCGAACATCCTCCGATAGACAACCTCTGGCAGTTTGA
 GAACCTTGAGGAAGCTGCAGCTGGACAATAACATCATTGAGAAGATCGAGGGCCTGGAGAA
 CCTCGCACACCTGGTCTGGCTGGATCTGTCTTTCAACAACATTGAGACCATCGAGGGCT
 GGACACACTGGTGAACCTGGAGGACCTGAGCTTGTCAACAACCGGATCTCCAAGATCGA
 CTCCCTGGACGCCCTCGTCAAGCTGCAGGTGTTGTGCTGGGCAACAACCGGATTGACAA
 CATGATGAACATCATCTACCTCCGGCGTTCAAGTGCCTGCGGACGCTCAGCCTCTCTAG
 GAACCTATCTCTGAGGAGAGGATTACAAGATGTTTCACTGTGCTACCTTCTGACCT
 CATGTACCTGGACTACCGGCGATTGATGACCACACAAAAAGCTTGGGAGGCTAAGCA
 CAGTACAGCATCGACGAGCTGAAGCACCAGGAGAACCTGATGCAGGCCAGCTGGAGGA
 CGAGCAGGCGCAGCGGAGGAGCTAGAGAAGCACAAGACTGCGTTTGTGGAACACCTGAA
 TGGCTCCTTCTGTTTACAGCATGTACGCTGAGGACTCAGAGGGCAACAATCTGTCTTA
 CCTGCTGGTGTGCGGTGAGCTCCTTGAGACCTACAAGGACAAGTTTGTATCATCTGCGT
 GAATATTTTGTGATGAGCTGAAACAGCAGGAGAAGCGGAAAACAGAGCTTGACACCTT
 CAGTGAATGTGTCGTGAGGCCATCCAGGAAAACAGGAGCAGGGCAACGCAAGATTGC
 CAAATTCGAGGAGAAGCACTTGTGAGTTTAAAGTGCCATTCGAGAGGAGTTGGAACCTGCC
 CAACATTGAGAAGATGATCCTAGAATGCAGTGTGACATCAGTGAATGTTTGTGCGCT
 CATGACGCTGGAGATGCAGCTGGTGGAGCAGCTGGAGGAGACTATAACATGTTTGAAG
 GAACATTGTTGACATGGTAGGACTGTTATCGAAAATGTCCAAAGCCTGATGGCTCAGTG
 CCGGGACCTGGAGAATCACCACCAGAGAAGCTCCTGGAGATCTCTATCAGCACCCTGGA
 GAAGATTGTGAGGGGCGACCTGGAGCAGGACCTGCCTAACGACCTGCGCGCGGGTCTTT
 CCAAAAGTTCAATTATGTGGAGGCTTCTGGCACTTTCTAAGAGAAGCAGTTACAGGTAGA
 GGTGAACTGTGAGATTTCCCTGGAGGTCTTCTTAACCTTAGAGTCTGTATAATGAGTA
 CTGTGGGGGTGTTGGAACCACTTTCTGATCCTGCACAATGCCATCCGGTTTGCACCAG
 CACATCCACTGATGAATGGTCACAAAATCAGCAGGCTCGGCCTGAGGAACCTGGCTCCAT
 CCCTGGGGTCTGCACGTAAGAAGGCTCTCCCGATGTCTGCGCTGGGTCCCGCGGCAGC
 ATGTCTATGTCTCTGGAAGGAGTGTGGGCATCAAGGGCCAGACAGAGATACTATGTTGT
 CAGGGCCAGACAGAGATACTATGTTGTGAGGGCTGCTTTAGTGATGCATCATTTCACT
 CAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for BC040276 unedited
 NGAGTCTTTATTTGTATACGACTCATATAGCGCGCCGNAATCCCGGATTGCTGCGTG
 GAACCGCCGAGTTCCAGCGCTTNGANAAGGAAAATTTCTGGATCTGTTATCTGTGAGGAG
 GCCACTCCGTTGACAGTTGTGTAAGTCTGCTGCTTTCCAGCTCCAACCTCTCTGGT
 CTTCAACAACACTATCATCAGGGAACCTGAGGGAAGATGAACAGCCGTGCAACTCGA
 TGGAGCCGAGGTGATGGACGATGACATGCTCAAGCTGGCCGTCGGGGACCAAGGCCCCC
 AGGAGGAGGCCGGCAGCTGGCAAGCAGGAGGGCATCCTCTTCAAGGATGTCCTGTCCC
 TGCAGCTGGACTTTCCGAACATCCTCCGATAGACAACCTCTGGCAGTTTGAGAACTTGA
 GGAAGCTGCAGCTGGACAATAACATCATTGAGAAGATCGAGGGCCTGGAGAACCTCGCAC
 ACCTGGTCTGGCTGGATCTGTCTTTCAACAACATTGAGACCATCGAGGGCTGGACACAC
 TGGTGAACCTGGAGGACCTGAGCTTGTCAACAACCGGATCTCCAAGATCGACTCCCTGG
 ACGCCTCGTCAAGCTGCAGGTGTTGTGCTGGGCAACAACCGATTGACAACATGATGA
 ACATCATCTACCTCCGGCGTTCAAGTGCCTGCGGACGCTCAGCCTCTCTAGGAACCTTA
 TCTCTGAGGAGAAGATTACAAGATGTTTCACTGTGCTACCTTCTGACCTCATGTACC
 TGGACTACCGGCGATTGATGACCACACAAAAGCCTGCCGAGGCTAAGCACCANTACAG
 CATCGACGAGCTGAACACCAGGAGAACCTGATGCAGGCCCCGCTGGAGGACGAGCAAGCG
 CAGNCGAGGAGC

Restriction Sites:

Please inquire

ACCN:	BC040276
Insert Size:	2005 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC040276.1 , AAH40276.1
RefSeq Size:	2005 bp
Locus ID:	83450
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]