

Product datasheet for **RC225766**

LRRC48 (DRC3) (NM_001130092) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC48 (DRC3) (NM_001130092) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC48
Synonyms:	CFAP134; LRRC48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC225766 representing NM_001130092
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCAAGCGTCAACTCGATGGAGCCGAGGGTGATGGACGATGACATGCTCAAGCTGGCCGTCGGGG
 ACCAGGGCCCCAGGAGGAGGCCGGGCAGCTGGCCAAGCAGGAGGCATCCTCTTCAAGGATGTCCTGTC
 CCTGCAGCTGGACTTTCGGAACATCCTCCGCATAGACAACCTCTGGCAGTTTGAGAACTTGAGGAAGCTG
 CAGCTGGACAATAACATCATTGAGAAGATCGAGGGCCTGGAGAACCTCGCACACCTGGTCTGGCTGGATC
 TGTCTTTCAACAACATTGAGACCATCGAGGGGCTGGACACACTGGTGAACCTGGAGGACCTGAGCTTGTT
 CAACAACCGGATCTCAAGATCGACTCCCTGGACGCCCTCGTCAAGCTGCAGGTGTTGTCGCTGGGCAAC
 AACCGGATTGACAACATGATGAACATCATCTACCTCCGGCGGTTCAAGTGCCTGCGGACGCTCAGCCTCT
 CTAGGAACCTATCTCTGAGGCAGAGGATTACAAGATGTTTCATCTGTGCCTACCTTCCTGACCTCATGTA
 CCTGGACTACCGGCGCATTGATGACCACAAAAAAGCTTGGCGAGGCTAAGCACCAGTACAGCATCGAC
 GAGCTGAAGCACCAGGAGAACCTGATGCAGGCCAGCTGGAGGACGAGCAGGCGCAGCGGAGGAGCTAG
 AGAAGCACAAGACTGCGTTTGTGGAACACCTGAATGGCTCCTTCCTGTTTGACAGCATGTACGCTGAGGA
 CTCAGAGGGCAACAATCTGTCTACCTGCCTGGTGTGCGTGAGCTCCTTGAGACCTACAAGGACAAGTTT
 GTCATCATCTGCGTGAATATTTTGTAGTATGGCCTGAAACAGCAGGAGAAGCGGAAAACAGAGCTTGACA
 CCTTCAGTGAATGTGTCGCTGAGGCCATCCAGGAAAACAGGAGCAGGGCAAACGCAAGATTGCCAATT
 CGAGGAGAAGCACTTGTGCGAGTTAAGTGCCATTTCGAGAGGAGTTGGAAGTGGCAACATTGAGAAGATG
 ATCCTAGAATGCAGTGTGACATCAGTGAGTTGTTTCGATGCGCTCATGACGCTGGAGATGCAGCTGGTGG
 AGCAGCTGGAGGAGACTATAACATGTTTGAAAGGAACATTGTTGACATGGTAGGACTGTTTATCGAAAA
 TGTCCAAAGCCTGATGGCTCAGTGCCGGGACCTGGAGAATCACCACCACGAGAAGCTCCTGGAGATCTCT
 ATCAGCACCTGGAGAAGATTGTGAGGGCGACCTGGACGAGGACCTGCCTAACGACCTGCGCGCGGGTC
 GTTTCAAAAGTTCAATTATGTGGAGGCTTCTGGCACTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225766 representing NM_001130092
 Red=Cloning site Green=Tags(s)

MNQPCNSMEPRVMDDMLKLAVGDQGPQEEAGQLAKQEGILFKDVLSLQLDFRNILRIDNLWQFENLRKL
 QLDNNIIIEKIEGLENLAHLVWLDLSFNNIETIEGLDTLVNLEDLSLFNNRISKIDSLDALVKLQVLSLGN
 NRIDNMMNIIYLRRFKLRTLSLSRNPISAEADYKMFICAYLPDLMYLDYRRIDDHTKKLAEAKHQYSID
 ELKHQENLMQAQLEDEQAQREELEKHKTAFVEHLNGSFLFDSMYAEDSEGNNLSYLPVGELLELETYKDF
 VIICVNIFEYGLKQEKRKTELDTFSECVREAIQENQEQQKRKIAKFEEKHLSSLASIREELELPNIEKM
 ILECSADISELFDALMTLEMQLVEQLEETINMFERNIVDMVGLFIENVQSLMAQCRDLENHHHEKLEIS
 ISTLEKIVEGDLDEDLPNDLRAGRFQKFNYVEASGTF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001130092

ORF Size: 1371 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001130092.2](#)

RefSeq ORF: 1374 bp

Locus ID: 83450

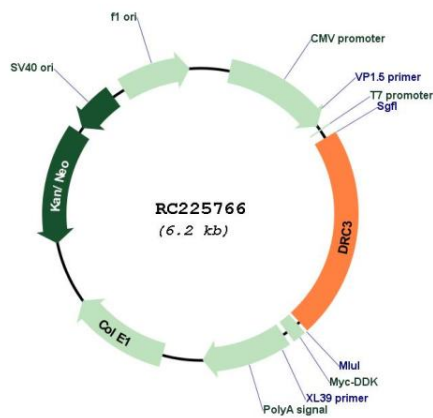
UniProt ID: [Q9H069](#)

Cytogenetics: 17p11.2

MW: 53 kDa

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]

Product images:



Circular map for RC225766