

Product datasheet for **SC325160**

LRRC48 (DRC3) (NM_001130090) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	LRRC48
Synonyms:	CFAPI34; LRRC48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>SC325160 representing NM_001130090. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAACAGCCGTCGAACCTCGATGGAGCCGAGGGTGATGGACGATGACATGCTCAAGCTGGCCGTCGGG GACCAGGGCCCCAGGAGGAGGCCGGGAGCTGGCCAAAGCAGGAGGGCATCCTCTTCAAGGATGTCCTG TCCCTGCAGCTGGACTTTCGGAACATCCTCCGCATAGACAACCTCTGGCAGTTTGAGAACTTGAGGAAG CTGCAGCTGGACAATAACATCATTGAGAAGATCGAGGGCCTGGAGAACCTCGCACACCTGGTCTGGCTG GATCTGTCTTTCAACAACATTGAGACCATCGAGGGGCTGGACACACTGGTGAACCTGGAGGACCTGAGC TTGTTCAACAACCGGATCTCCAAGATCGACTCCCTGGACGCCCTCGTCAAGCTGCAGGTGTTGTGCGCTG GGCAACAACCGGATTGACAACATGATGAACATCATCTACCTCCGGCGTTCAAGTGCCTGCGGACGCTC AGCCTCTCTAGGAACCTATCTCTGAGGCAGAGGATTACAAGATGTTTCTGTGCCTACCTTCTGAC CTCATGTACCTGGACTACCGGCGCATTGATGACCACACAAAAAGCTTGGGAGGCTAAGCACCAGTAC AGCATCGACGAGCTGAAGCACCAGGAGAACCTGATGCAGGCCAGCTGGAGGACGAGCAGGCGCAGCGG GAGGAGCTAGAGAAGCACAAGACTGCGTTTGTGGAACACCTGAATGGCTCCTTCTGTTTGACAGCATG TACGCTGAGGACTCAGAGGGCAACAATCTGTCTACCTGCCTGGTGTGCGTGAGCTCCTTGAGACCTAC AAGGACAAGTTTGTATCATCTGCGTGAATATTTTGAGTATGGCTGAAACAGCAGGAGAAGCGGAAA ACAGAGCTTGACACCTTCAGTGAATGTGTCGTGAGGCCATCCAGGAAAACAGGAGCAGGGCAACCG AAGATTGCCAAATTCGAGGAGAAGCACTTGTGAGTTTAAGTGCCATTTCGAGAGGAGTTGGAACCTGCC AACATTGAGAAGATGATCCTAGAATGCAGTGCTGACATCAGTGAGTTGTTTCGATGCGCTCATGACGCTG GAGATGCAGCTGGTGGAGCAGCTGGAGGAGACTATAACATGTTTGAAGGAACATTGTTGACATGGTA GGACTGTTTATCGAAAATGTCCAAAGCCTGATGGCTCAGTGCCGGGACCTGGAGAATCACCACCAGAG AAGCTCCTGGAGATCTCTATCAGCACCTGGAGAAGATTGTGAGGGCGACCTGGACGAGGACCTGCCT AACGACCTGCGCGCGCTTTTGTGATAAAGATACGATTGTTAATGCTGTGCGGGCATCGCACGACATC CACCTCCTGAAGATTGACAATCGAGAAGATGAGCTGGTGACCAGAATCACTCTTGGTGACACGTTTA ATAGACAGGATTACAAGGATGAGATCATGAGGAACCGCAAGCGCTGAAGGAGATCAATCAGTACATC GACCACATGCAGAGCGAACTGGACAACCTGGAATGTGGCGACATCCTAGACTAG ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	Sgfl-MluI
ACCN:	NM_001130090
Insert Size:	1572 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001130090.1</u>
RefSeq Size:	2183 bp
RefSeq ORF:	1572 bp
Locus ID:	83450
UniProt ID:	<u>Q9H069</u>
Cytogenetics:	17p11.2
MW:	61.1 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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (α). Both variants 1 and 2 encode the same isoform.