

Product datasheet for **RC205170**

LRRC56 (NM_198075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC56 (NM_198075) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC56
Synonyms:	CILD39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205170 representing NM_198075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGATCTGGGCTGGACAGATCACGTGGCCTCGGCGGAGCACCTCCAGCGTCCGGGTGCGGGAGCTGA
 GCTGGCAAGGCCCTGCACAACCCCTGCCACAGAGCAAGGGCCCTGGCAGTCAGAGGGACAGACTTGAGAG
 GCAGCTGGTGAAGAGTACCTGTCCCCTGCCCGCTGCAGGCCCTGGCCCGGTGGATGACCTTCGGCTG
 GTGAGGACGCTGGAGATGTGTGTGGACACTCGTGAGGGCAGCCTGGGGAACCTTTGGGGTGACCTGCCCA
 ACCTGGACCAACTGAAGCTGAACGGCAGCCACCTGGGCTCCCTGAGGGACTTGGGCAGTCTCTGGGCCA
 CCTGCAGTGCTGTGGCTGGCTCGCTGTGGCCTCGCTGACCTGGATGGCATCGCCTCTTTGCCAGCACTT
 AAGGAATCTACGCTCCTACAACAACATCTCGGACCTGAGCCCACTGTGCCTGCTGGAACAATTGGAGG
 TGCTGGACCTGGAGGGCAACAGCGTGGAGGACCTGGGGCAGGTGCGCTACTTGACGCTGTGCCACGCT
 GGCCATGCTCACCTGGAGGGCAACCTGGTGTGCCTACAGCCGGCCCTGGCCCCACCAACAAGGTGCC
 AGGGGCTACAACCTACAGGGCAGAGGTGAGGAAGCTCATTCCCCAGCTGCAGGTCCCTGGACGAAGTGCCGG
 CCGCACACACAGGCCACCGGCCCGCCGCGGTGAGCCAGGACTGGCTTGCGGTGAAGGAGGCCATCAA
 GAAGGGCAACGGCCTTCCCCCGCTGGACTGTCCCCTGGAGCCCCATCCGGAGACTTGACCCCGAGCTG
 TCCCTGCCTGAGACGAGTCCCGGGCTCCAGGCCCTGGCCCTTCTCCCTGCTGGTCCGTGGGGGCCCC
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 CTATAGGCACCCGGAGTCCCAACAGGAAGGGCTGTAGCCCCCTGGGGCCACGGAGGGTCCCTGAAGAG
 CAAGTGACACAGGAGCAGGCCAAGACTCCCTCCAGCCCCCAAGCCTGGCCTCAGAGCCCTCCGGGACCT
 CGAGCCAGCACCTGGTCCCTTCACTCCCAAGCACCAAGGCCACGAGATTCTGGCAGCAGCTCCCCGCG
 GTGGTGCACAGACCTGCAGTCCAGGGGGCGTGGCTCCGAGTCTGGGCAGCTGGGGGCTGGCCTGGGT
 GATGGGTGGTGCAGTGCCTGTCTGAGAGCCCTGGAGGTGGCCTCACGCCTGAGCCCTCGAGCCAGG
 GATGTCTGGCCCAAGCCAGCACCAGATGCAGCAGCTAGACCTCCAGGGCAGTGAATCTCTCACCC
 CAGCCCCGTCCCCACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205170 representing NM_198075
 Red=Cloning site Green=Tags(s)

MDLGWDRSRGPRRSTSSVRVRELSWQGLHNPCPQSKGPGSQDRDLGEQLVEEYLSPARLQALARVDDLRL
 VRTLEMCVDTREGSLGNFGVHLPNLDQLKLNGSHLGSRLDLGSLGHLQVLWLARCGLADLDGIALPAL
 KELYASYNNISDLSPCLLEQLEVLDEGNSVEDLGQVRYLQLCPRLAMLTLEGNLVCLQPAPGPTNKVP
 RGYNYRAEVRKLIPLQVLDEVPAAHTGPPAPPRLSQDWLAVKEAIKKGNLPLDCPRGAPIRRLDPEL
 SLPETQSRASRPWPFSLLVGGPLPEGLLSEDLAPEDNTSSLTHGAGQVLCGNPTKGLRERRHQCAQREP
 PEQLPQHRPGDPAASTSTPEPDADSSDFLALAGLRAWREHGVRLPYRHPESQQEGAVAPWGPVRVPEE
 QVHQAEPKTPSSPPSLASEPSGTSSQHLVPSPPKHPRPRDSGSSSPRWSTDLQSRGRRRLVLSWGPGLG
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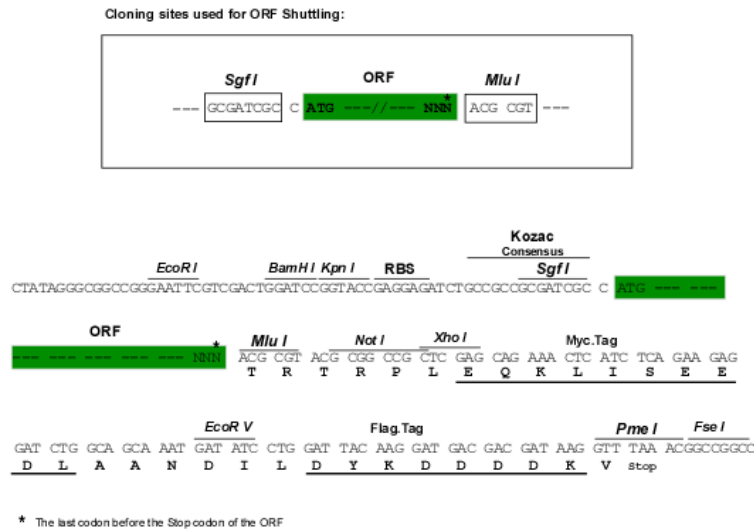
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3515_c10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_198075

ORF Size: 1626 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_198075.2](#)

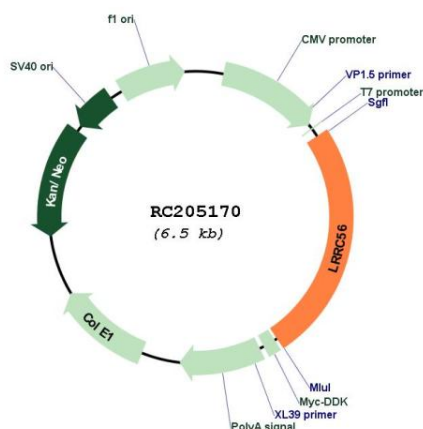
RefSeq Size: 2777 bp

RefSeq ORF: 1629 bp

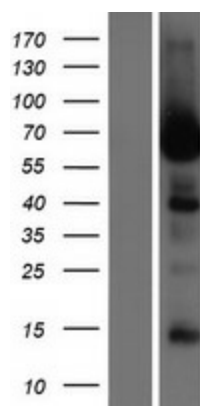
Locus ID: 115399

UniProt ID: Q8IYG6
Cytogenetics: 11p15.5
MW: 58.6 kDa
Gene Summary: Required for the assembly of dynein arms.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205170



Western blot validation of overexpression lysate (Cat# [LY405089]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205170 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).