

Product datasheet for **RG205170**

LRRC56 (NM_198075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC56 (NM_198075) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC56
Synonyms:	CILD39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205170 representing NM_198075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCTGGGCTGGGACAGATCACGTGGGCTCGGCGGAGCACCTCCAGCGTCCGGGTGCGGGAGCTGA
 GCTGGCAAGGCCCTGCACAACCCCTGCCACAGAGCAAGGGCCCTGGCAGTCAGAGGGACAGACTTGGAGA
 GCAGCTGGTGGAAAGAGTACCTGTCCCCTGCCCGCTGCAGGCCCTGGCCCGGTGGATGACCTTCGGCTG
 GTGAGGACGCTGGAGATGTGTGTGGACACTCGTGAGGGCAGCCTGGGGAACCTTTGGGGTGACCTGCCCA
 ACCTGGACCAACTGAAGCTGAACGGCAGCCACCTGGGCTCCCTGAGGGACTTGGGCAGTCTCTGGGCCA
 CCTGCAGGTGCTGTGGCTGGCTCGCTGTGGCTCGCTGACCTGGATGGCATCGCCTCTTTGCCAGCACTT
 AAGGAATCTACGCTCTACAACAACATCTCGGACCTGAGCCCACTGTGCCTGTGGAACAATTGGAGG
 TGCTGGACCTGGAGGGCAACAGCGTGGAGGACCTGGGGCAGGTGCGCTACTTGCAGCTGTGCCACGCT
 GGCCATGCTCACCTGGAGGGCAACCTGGTGTGCCTACAGCCGGCCCTGGCCCCACCAACAAGGTGCC
 AGGGGCTACAACCTACAGGGCAGAGGTGAGGAAGCTCATTCCCCAGCTGCAGGTCTGGACGAAGTGCCGG
 CCGCACACACAGGCCACCGGCCCGCCGCGGTGAGCCAGGACTGGCTTGCGGTGAAGGAGGCCATCAA
 GAAGGGCAACGGCCTTCCCCCGCTGGACTGTCCCCTGGAGCCCCATCCGGAGACTTGACCCCGAGCTG
 TCCCTGCCTGAGACGAGTCCCGGGCTCCAGGCCCTGGCCCTTCTCCCTGCTGGTCCGTGGGGGCCCC
 TGCCTGAAGGCCTGCTTTCTGAGGACCTGGCCCCAGAAGATAACACCAGCAGCCTCACCCATGGTGTGG
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 CGAGCCAGCACCTGGTCCCTTCACTCCCAAGCACCAAGGCCACGAGATTCTGGCAGCAGCTCCCCGCG
 GTGGTGCAGACAGCTGCAGTCCAGGGGGCTCGGCTCCGAGTCTGGGCAGCTGGGGGCTGGCTGGGT
 GATGGGTGGCTGCAGTGCCTGTCTGAGAGCCCTGGAGGTGGCCTCACGCCTGAGCCCTCGAGCCAGG
 GATGTCTGGCCCAAGCCAGCACCAGATGCAGCAGCTAGACCTCCAGGGCAGCTGAACCTCTCACCC
 CAGCCCCGTCCCCACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

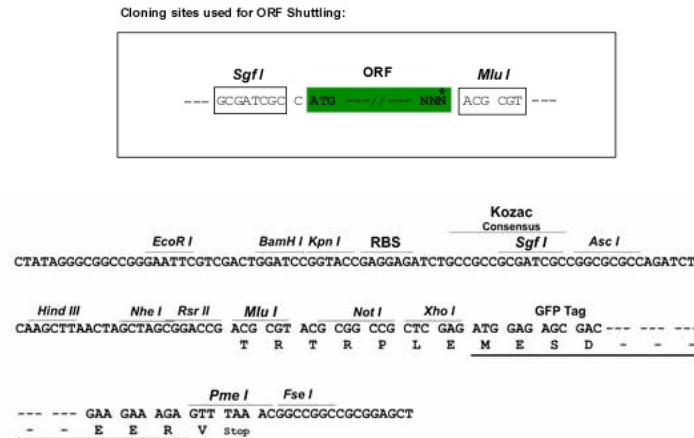
>RG205170 representing NM_198075
 Red=Cloning site Green=Tags(s)

MDLGWDRSRGPRRSTSSVRVRELSWQGLHNPCPQSKGPGSQDRDLGEQLVEEYLSPARLQALARVDDLRL
 VRTLEMCVDTREGSLGNFGVHLPNLDQLKLNGSHLGSRLDLGTSLGHLQVLWLARGLADLDGIALPAL
 KELYASNNISDLSPLCLLEQLEVLDEGNSVEDLGQVRYLQLCPRLAMLTLEGNLVCLQPAPGPTNKVP
 RGYNYRAEVRKLIPLQVLDEVPAAHTGPPAPPRLSQDWLAVKEAIKKGNLPLDCPRGAPIRRLDPEL
 SLPETQSRASRPWPFSLVVRGGPLPEGLLEDLAPEDNTSSLTHGAGQVLCGNPTKGLRERRHQCAQREP
 PEQLPQHRPGDPAASTSTPEPDADSSDFLALAGLRAWREHGVRPLPYRHPESQQEGAVAPWGPRRVPEE
 QVHQAEPKTPSSPPLASEPSGTSSQHLVPSPPKHPRPDSSSPRWSTDLQSRGRLRVLGSWGPGLG
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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

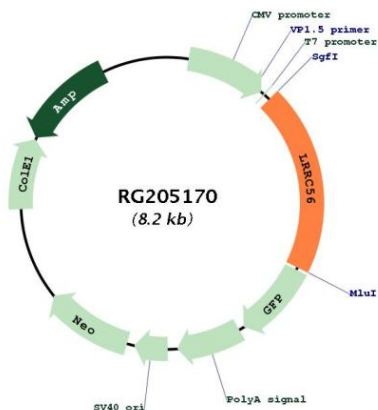
Cloning Scheme:


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.
RefSeq:	NM_198075.2
RefSeq Size:	2777 bp
RefSeq ORF:	1629 bp
Locus ID:	115399
UniProt ID:	Q8IYG6

Cytogenetics: 11p15.5

Gene Summary: Required for the assembly of dynein arms.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205170