

Product datasheet for RC212671

LRRC10 (NM_201550) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC10 (NM_201550) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRRC10
Synonyms:	HRLRRP; LRRC10A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212671 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAACACCATCAGGGCCCTCGTGGCCTTCATCCCTGCTGACCGTTGCCAGAACTATGTGGTCAGGG
 ACCTCCGTGAGATGCCGCTGGACAAGATGGTGGATCTGAGTGGGAGCCAGTTACGCCGCTTCCCCCTGCA
 CGTGTGCTCCTTCAGGGAGCTGGTCAAGCTCTACCTGAGCGACAACCACTCAATAGCCTGCCTCCGGAG
 CTGGGGCAGCTACAGAACCTGCAGATTCTGGCCTTGGATTCAACAACCTCAAGGCTCTGCCCCAGGTGG
 TGTGCACCTTGAAACAGCTCTGCATCCTCTACCTGGGCAACAACAACTCTGCGACCTCCCCAGTGAGCT
 GAGCCTGCTCCAGAACCTCAGGACCTGTGGATCGAGGCCAACTGCCTCAGCCAGCTGCCGATGTGGTC
 TGTGAGCTGAGTCTCCTTAAGACTCTGCATGCCGGCTCCAACGCCCTGCGTTTGCTGCCAGGCCAGCTCC
 GGCGCCTCCAGGAGCTGAGGACCATCTGGCTCTCGGGCAACCGGCTAACTGACTTCCCAGCTGTGCTGCT
 TCACATGCCCTTCTGGAGGTGATTGATGTGGACTGGAACAGCATCCGTTACTTCCCCAGCTGGCGCAC
 CTGTCAAGTCTGAAGCTGGTCACTATGACCACAATCCTTGCAAGAACGCACCAAGGTGGCCAAAGGTG
 TGCGCCGTGTGGGAGATGGGCAGAGGAGACGCCAGAGCCGACCTAGAAAAGCCAGGCGCTATGCGTT
 GGTGAGAGAGGAAAGCCAGGAGCTACAGGCACCACTCCCTCTACTTCTCTACCAACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC212671 protein sequence
Red=Cloning site Green=Tags(s)

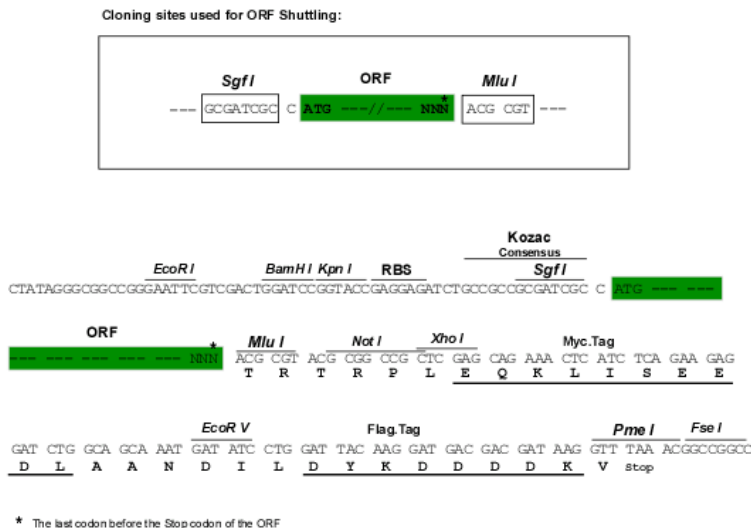
MGNTIRALVAFIPADRCQNYVVRDLREMPDKMVDLSGSQLRRFPLHVCSEFRELVKLYLSDNHLNSLPPE
LGQLQNLQILALDFNNFKALPQVVCTLKQLCILYLGNKLCPLSEL SLLQNLRTLWIEANCLTQLPDVV
CELSLLKTLHAGSNALRLPGQLRRLQELRTIWLSGNRLTDFPTVLLHMPFLEVIDVDWNSIRYFPSLAH
LSSLKLVIYDHNPCRNAPKVAKGVRVRGWAETPEPDPKARRYALVREESOELAPVPLLPTNS

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6599_h12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 201550

ORF Size: 831 bp

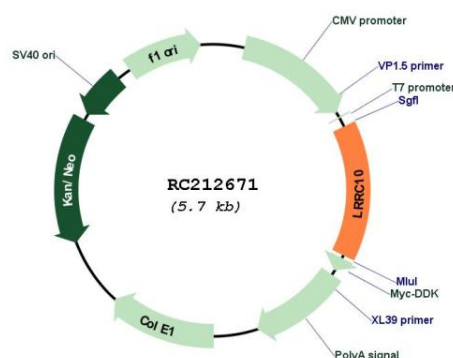
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

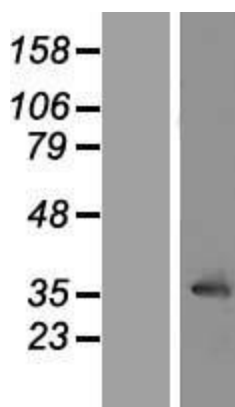
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_201550.4
RefSeq Size:	2649 bp
RefSeq ORF:	834 bp
Locus ID:	376132
UniProt ID:	Q5BKY1
Cytogenetics:	12q15
MW:	31.6 kDa
Gene Summary:	May play important roles in cardiac development and/or cardiac function.[UniProtKB/Swiss-Prot Function]

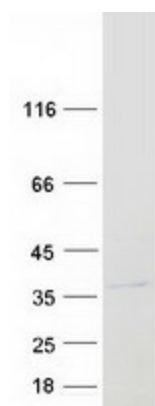
Product images:



Circular map for RC212671



Western blot validation of overexpression lysate (Cat# [LY404455]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212671 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRC10 protein (Cat# [TP312671]). The protein was produced from HEK293T cells transfected with LRRC10 cDNA clone (Cat# RC212671) using MegaTran 2.0 (Cat# [TT210002]).