

Product datasheet for RC226959

LRRC61 (NM_001142928) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LRRC61
Synonyms:	HSPC295
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC226959 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCTCCAGCGGAGAAGCCGGGAGAGGCTGGCGGACTGCAGATCACACCCAGCTGCTGAAGTCAC
GCACAGGCGAGTTCTCCCTGGAGTCCATCTGCTACTGAAGCTGCGTGGCTTGGGACTGGCTGACCTGGG
CTGCCTGGGAGAGTGCCTGGGCCTGGAGTGGCTGGACCTATCAGGCAACGCGCTACCCACCTGGGCCG
CTGGCCTCCTTGCGCCAGCTAGCTGTGCTCAATGTCTCAACAATCGGCTGACGGGCCTGGAGCCACTGG
CCACCTGTGAGAACTTGAGAGTCTCAATGCCGAGGCAACCTACTGGCCACCCCGGGCCAGCTGCAGTG
TCTGGCTGGGCTACCGTGCCTGGAGTACCTGCGGCTCCGAGACCCCTTGGCCCGGCTCAGCAACCCGCTC
TGTGCAACCCCTCCTACTGGGCTGCAGTCCGGGAGCTGCTGCCTGGCCTGAAAGTCATCGACGGTGAGC
GTGTGATTGGGCGTGGTAGTGAGTTCTACCAGCTGTGCCGAGACCTGGACAGCTCCTTGCCTCCAGCTC
CAGTCCAGGCCCCAGAGCCACCGAGGCCAGCCCTGGGTGGAGCCAGGCTACTGGGAGTCTTGGCCAGC
CGGAGCAGCTCCATCCTGGAGGAGGCTGCCGGCAGTTCAGGACACACTGCAGGAGTGCTGGGACCTGG
ACCGCCAGGCCAGCGACAGCCTGGCCAGGCGGAGCAGGTACTCAGCTCTGCGGGCCCCACCTCTTCCTT
CGTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC226959 protein sequence
 Red=Cloning site Green=Tags(s)

MDPPAEKPGEAGGLQITPQLLKSRTEFSLESILLKLRGLGLADLGCLGECLGLEWLDLSGNALTHLGP
 LASLRQLAVLNVSNNRLTGLEPLATCENLQSLNAAGNLLATPGQLQCLAGLPCLEYLRLRDPLARLSNPL
 CANPSYWAAYRELLPGLKVIDGERVIGRGSEFYQLCRDLSSSLRPSSSPGRATEAQPWVEPGYWESWPS
 RSSSILEEACRQFQDTLQECWDLDRQASDLSAQAEQVLSSAGPTSSFVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

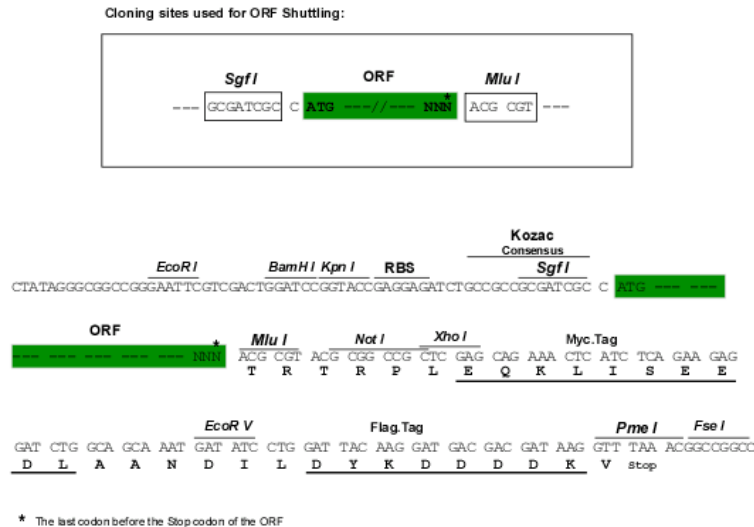
Chromatograms:

https://cdn.origene.com/chromatograms/mk6386_c11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001142928

ORF Size:

777 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_001142928.2](#)

RefSeq Size: 1979 bp

RefSeq ORF: 780 bp

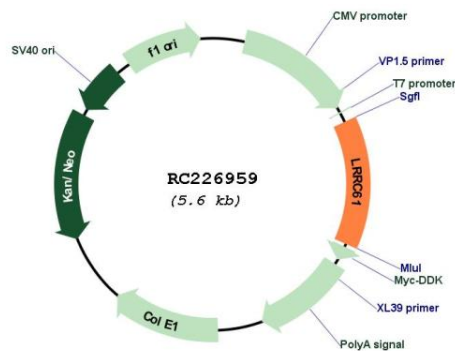
Locus ID: 65999

UniProt ID: [Q9BV99](#)

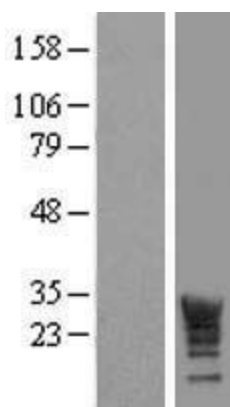
Cytogenetics: 7q36.1

MW: 28 kDa

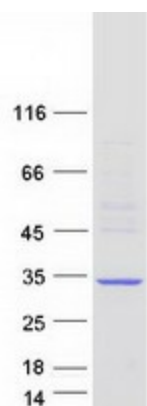
Product images:



Circular map for RC226959



Western blot validation of overexpression lysate (Cat# [LY428296]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226959 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRRC61 protein (Cat# [TP326959]). The protein was produced from HEK293T cells transfected with LRRC61 cDNA clone (Cat# RC226959) using MegaTran 2.0 (Cat# [TT210002]).