

Product datasheet for RC211399

LRP5L (NM_182492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRP5L (NM_182492) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRP5L
Synonyms:	DKFZp434O0213
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211399 representing NM_182492 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGGGCCACGTCTACTGGACGGATGACGAGGTGTGGGCCATCCGCAGGGCATACCTGGATGGGTCTG
 GGGCGCAGACGCTGATCAACACCAAGATCAACGACCCGATGACATCGCAGTCAACTGGGTGGCCGAAG
 CCTCTATTGGACCCACACAGGCACTGAACACATCGAGGTGACGTGCCTCAACAGCACCTCCACAAGATC
 CTGGTGTGAGGACATGGACGAGCCCCGTGCCATTGCACTGCATCCGAGATGGGCCTCACGTACTGGA
 TAGACTGGGAGAGAACCCTGAAATCAAGCGTGCCAACCTGGACAGGCAGGAGCTGCGCGTGCTGGTCAA
 TGCTTCCCTCGGGTGGCCCAACGGCCTGGCCCTGGACCTGCAGGAAGGGAAGCTCTACTGGGAGATGCC
 AAGACAGATAAGATCGAGGCGATCAGTGTGATGAGACGAAGAGGCAGACCTCCTGAAGGACAAGCTCC
 CACACATTTTCAGGTTCAACCCTGCTGGGGGACTTCATCTACTGGACCGCCTGGCAGCACCACAGCATCAA
 GCGGGTACACAAGGTCAAGGCCAACGGGACGTATCATTTGACCAGCTGCCCCGACCTGATGGGGCTCAAA
 GCTGTGAACGTGGACAAGGTGTCGGAACCAACCCTCATGCGGACAGGAATGGGGGTGCAGCCACCTGTG
 CTTCTTACGCCCCACACAACCCGGTTTGGCTGCCCCATCTAGGGCTGGAATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC211399 representing NM_182492
 Red=Cloning site Green=Tags(s)

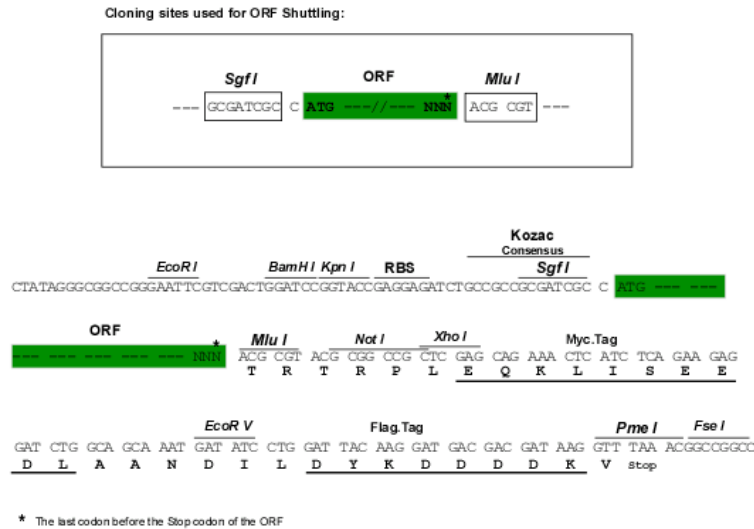
MEGHVYWTDDVWAIIRRAYLDGSGAQTINTKINDPDDIAVNWVARSLYWTHTGTEHIEVTCLNSTSHKI
 LVSEDMDEPRAIALHPMGLTYWIDWGENPEIKRANLDRQELRVLVNASLWPNGLALDLQEGKLYWGDA
 KTDKIEAISVDETKRQTLTKDKLPHIFRFTLLGDFIYWTAWQHHSIKRVHKVKANRDVIIDQLPDLMLGLK
 AVNVDKVVGTPHADRNGGAATCASSRPTQPLAAPSRAWNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6480_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182492

ORF Size: 756 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_182492.1](#), [NP_872298.1](#)

RefSeq Size: 3601 bp

RefSeq ORF: 759 bp

Locus ID: 91355

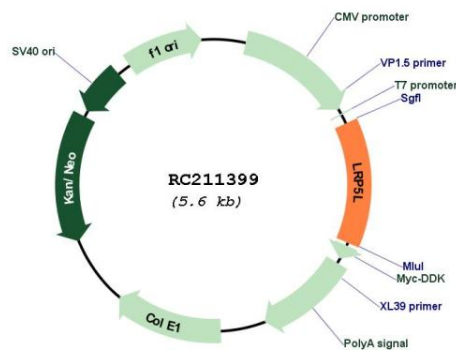
UniProt ID: [A4QPB2](#)

Cytogenetics: 22q11.23

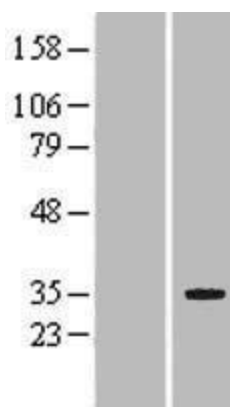
Protein Families: Druggable Genome

MW: 28.3 kDa

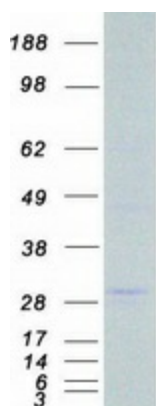
Product images:



Circular map for RC211399



Western blot validation of overexpression lysate (Cat# [LY427704]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227910] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LRP5L protein (Cat# [TP311399]). The protein was produced from HEK293T cells transfected with LRP5L cDNA clone (Cat# RC211399) using MegaTran 2.0 (Cat# [TT210002]).