

Product datasheet for **RC200759**

LRP3 (NM_002333) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRP3 (NM_002333) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC200759 representing NM_002333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAGAAGCGCGGCCGCGGGCTGGAGGGCGCGCGGCCGCGCGGCGCAGCTGGCCGTCGTCTGTC
 TGGTGAACATCTTTCTACCGGGAGACTCAGCAGTGCGGTTCTGCCTTAGCGGCCTGCAGTGGAAGCT
 GGAGCAGCACACGGAGCGCGTGGGTCTCTACAGCCCGGCTGGCCCTCAACTACCGCCAGGCACC
 AACTGCAGCTGGTACATCCAGGGCGACCGTGGTGACATGATTACCATCAGCTTCCGCACTTTGACGTGG
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 CCGCCTCTGTGGTCCGCCATCCACCTGCCTTCTGCTGCCGCGACCATGTCTGGATTTTCTCCAC
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence: >RC200759 representing NM_002333
 Red=Cloning site Green=Tags(s)

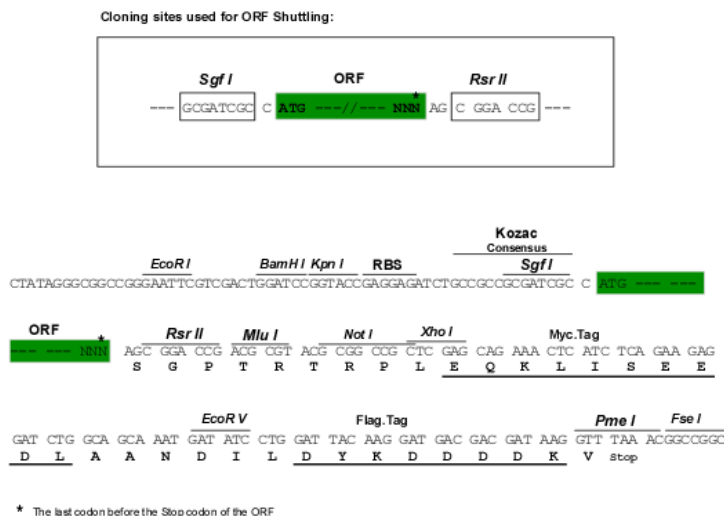
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SGPTRRRL EOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4227_a01.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM 002333

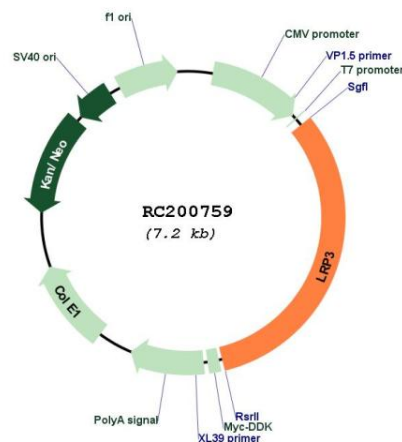
ORF Size: 2310 bp

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](#)

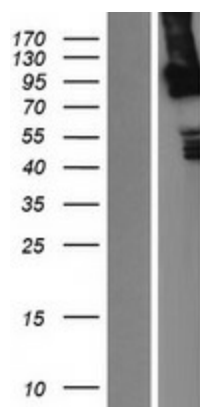
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_002333.4</u>
RefSeq Size:	2601 bp
RefSeq ORF:	2313 bp
Locus ID:	4037
UniProt ID:	<u>O75074</u>
Cytogenetics:	19q13.11
Domains:	CUB, ldl_recept_a
Protein Families:	Druggable Genome, Transmembrane
MW:	82.7 kDa
Gene Summary:	Probable receptor, which may be involved in the internalization of lipophilic molecules and/or signal transduction. Its precise role is however unclear, since it does not bind to very low density lipoprotein (VLDL) or to LRPAP1 in vitro.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200759



Western blot validation of overexpression lysate (Cat# [LY419393]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200759 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).