

Product datasheet for RC224195

LRP1B (NM_018557) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRP1B (NM_018557) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LRP1B
Synonyms:	LRP-1B; LRP-DIT; LRPDIT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC224195 representing NM_018557 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC224195 representing NM_018557
 Red=Cloning site Green=Tags(s)

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 RAHANGSVRRGHKNDATEITIMRTGLGVNLKEVKIFNRVREKGTNVCARDNGGCKQLCLYRGNRRTCAC
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 MGIIVAVANDTNSCELSPCALLNNGGCHDLCLLTPNGRVNCSGRGRILLEDNRVTKNSSCNAYSEFECEGN
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 CATVEFRCADGTCIPRSARCNQIDCADASDEKNCNNTDCTHFYKLGVKTTGFI RCNSTSLCVLPTWICD
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 KVVHNTAVPNALAVDWIGKLYWSDTEKRIIEVSKLNLGYPTILVSKRKFPRDLSLDPQAGLYWIDCC
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 YLINGTCNDDSLDDSCKLTCENGGRCILNEKGDLRCHCWPSYSGERCEVNHCSNYCQNGGTCVPSVLGR
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 NVPVCLCSTNWSGTQ CERPAPKSSKSDHISTRISAIIVPLVLLVTLITTLVIGLVLCRKRRTKTIRRQP
 IINGGINVEIGNPSYMYEVDHHDHNDGGLLDPGFMIDPTKARYIGGGPSAFKLPHTAPPIYLN SDLKGPL
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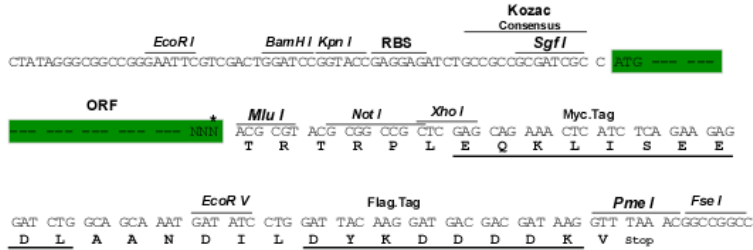
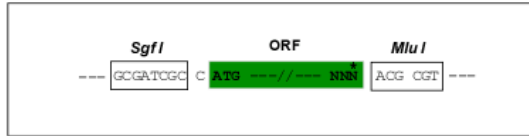
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

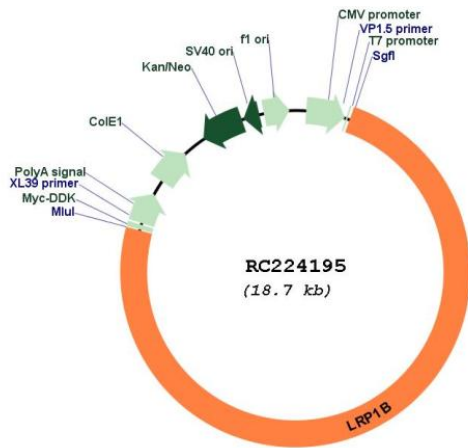
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_018557
 ORF Size: 13797 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:	<ol style="list-style-type: none"> 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_018557.1 , NP_061027.1
RefSeq Size:	16556 bp
RefSeq ORF:	13800 bp
Locus ID:	53353
UniProt ID:	Q9NZR2
Cytogenetics:	2q22.1-q22.2
Domains:	ldl_recept_b, EGF_CA, ldl_recept_a, EGF, EGF
Protein Families:	Druggable Genome, Transmembrane
MW:	515.3 kDa
Gene Summary:	This gene encodes a member of the low density lipoprotein (LDL) receptor family. These receptors play a wide variety of roles in normal cell function and development due to their interactions with multiple ligands. Disruption of this gene has been reported in several types of cancer. [provided by RefSeq, Jun 2016]