

Product datasheet for **RC218369L1V**

LRP1 (NM_002332) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LRP1 (NM_002332) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LRP1
Synonyms:	A2MR; APOER; APR; CD91; IGFBP-3R; IGFBP3R; IGFBP3R1; KPA; LRP; LRP1A; TGFBR5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_002332
ORF Size:	13632 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218369).
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.
RefSeq:	NM_002332.1
RefSeq Size:	14896 bp
RefSeq ORF:	13635 bp
Locus ID:	4035
UniProt ID:	Q07954
Cytogenetics:	12q13.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Alzheimer's disease

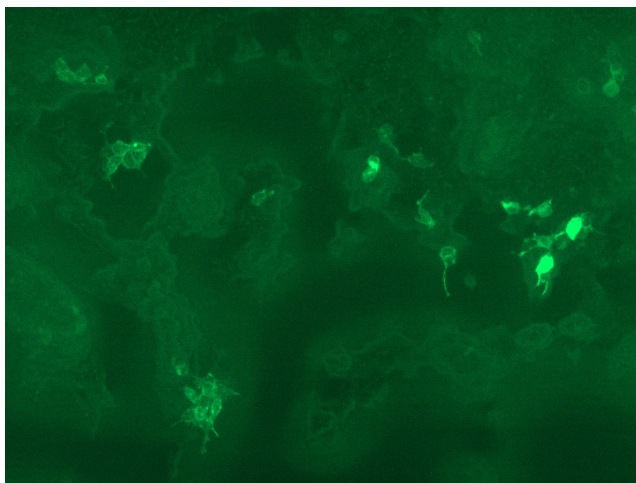


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MW: 504.6 kDa

Gene Summary: This gene encodes a member of the low-density lipoprotein receptor family of proteins. The encoded preprotein is proteolytically processed by furin to generate 515 kDa and 85 kDa subunits that form the mature receptor (PMID: 8546712). This receptor is involved in several cellular processes, including intracellular signaling, lipid homeostasis, and clearance of apoptotic cells. In addition, the encoded protein is necessary for the alpha 2-macroglobulin-mediated clearance of secreted amyloid precursor protein and beta-amyloid, the main component of amyloid plaques found in Alzheimer patients. Expression of this gene decreases with age and has been found to be lower than controls in brain tissue from Alzheimer's disease patients. [provided by RefSeq, Oct 2015]

Product images:



[RC218369L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC218369L1V particle to overexpress human LRP1-Myc-DDK fusion protein.