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Product datasheet for RC218918L2V

LRP6 (NM_002336) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LRP6 (NM_002336) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LRP6
Synonyms:	ADCAD2; STHAG7
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002336
ORF Size:	4839 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218918).
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_002336.1, NP_002327.1
RefSeq Size:	5301 bp
RefSeq ORF:	4842 bp
Locus ID:	4040
UniProt ID:	O75581
Cytogenetics:	12p13.2
Domains:	ldl_recept_b, ldl_recept_a, EGF, EGF
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Wnt signaling pathway

MW: 180.44 kDa

Gene Summary: This gene encodes a member of the low density lipoprotein (LDL) receptor gene family. LDL receptors are transmembrane cell surface proteins involved in receptor-mediated endocytosis of lipoprotein and protein ligands. The protein encoded by this gene functions as a receptor or, with Frizzled, a co-receptor for Wnt and thereby transmits the canonical Wnt/beta-catenin signaling cascade. Through its interaction with the Wnt/beta-catenin signaling cascade this gene plays a role in the regulation of cell differentiation, proliferation, and migration and the development of many cancer types. This protein undergoes gamma-secretase dependent RIP- (regulated intramembrane proteolysis) processing but the precise locations of the cleavage sites have not been determined.[provided by RefSeq, Dec 2009]