Product datasheet for TL308415V

VLDL Receptor (VLDLR) Human shRNA Lentiviral Particle (Locus ID 7436)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	VLDL Receptor (VLDLR) Human shRNA Lentiviral Particle (Locus ID 7436)
Locus ID:	7436
Synonyms:	CAMRQ1; CARMQ1; CHRMQ1; VLDL-R; VLDLRCH
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	VLDLR - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001018056, NM_003383, NM_001322225, NM_001322226, NM_003383.1, NM_003383.2, NM_003383.3, NM_003383.4, NM_001018056.1, NM_001018056.2, BC136562, BC142653, BC144245, NM_001018056.3, NM_003383.5
UniProt ID:	P98155
Summary:	The low density lipoprotein receptor (LDLR) gene family consists of cell surface proteins involved in receptor-mediated endocytosis of specific ligands. This gene encodes a lipoprotein receptor that is a member of the LDLR family and plays important roles in VLDL-triglyceride metabolism and the reelin signaling pathway. Mutations in this gene cause VLDLR-associated cerebellar hypoplasia. Alternative splicing generates multiple transcript variants encoding distinct isoforms for this gene. [provided by RefSeq, Aug 2009]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).