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Product datasheet for TL302649V

PCDH15 Human shRNA Lentiviral Particle (Locus ID 65217)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	PCDH15 Human shRNA Lentiviral Particle (Locus ID 65217)
Locus ID:	65217
Synonyms:	CDHR15; DFNB23; USH1F
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	PCDH15 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001142763, NM_001142764, NM_001142765, NM_001142766, NM_001142767, NM_001142768, NM_001142769, NM_001142770, NM_001142771, NM_001142772, NM_001142773, NM_033056, NM_001354404, NM_001354411, NM_001354420, NM_001354429, NM_001354430, NM_033056.1, NM_033056.2, NM_033056.3, NM_001142763.1, NM_001142764.1, NM_001142765.1, NM_001142766.1, NM_001142767.1, NM_001142768.1, NM_001142769.1, NM_001142770.1, NM_001142771.1, NM_001142772.1, NM_001142773.1, BC156450, NM_001142767.2, NM_001142772.2, NM_001142768.2, NM_001142770.3, NM_001142766.2, NM_001142764.2, NM_001142773.2, NM_001142765.2, NM_033056.4, NM_001142763.2, NM_001142769.3, NM_001142771.2
UniProt ID:	Q96QU1
Summary:	This gene is a member of the cadherin superfamily. Family members encode integral membrane proteins that mediate calcium-dependent cell-cell adhesion. It plays an essential role in maintenance of normal retinal and cochlear function. Mutations in this gene result in hearing loss and Usher Syndrome Type IF (USH1F). Extensive alternative splicing resulting in multiple isoforms has been observed in the mouse ortholog. Similar alternatively spliced transcripts are inferred to occur in human, and additional variants are likely to occur. [provided by RefSeq, Dec 2008]
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).

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