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Product datasheet for TL314035V

CDH18 Human shRNA Lentiviral Particle (Locus ID 1016)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	CDH18 Human shRNA Lentiviral Particle (Locus ID 1016)
Locus ID:	1016
Synonyms:	CDH14; CDH14L; CDH24
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	CDH18 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001167667, NM_001291956, NM_001291957, NM_004934, NM_001349556, NM_001349558, NM_001349559, NM_001349560, NM_001349561, NM_001349562, NM_001349563, NM_004934.1, NM_004934.2, NM_004934.3, NM_001167667.1, NM_001167667.2, NM_001291957.1, NM_001291957.2, NM_001291956.1, NM_001291956.2, BC031051, BC031051.1, NM_001167667.3, NM_004934.5, NM_001291956.3
UniProt ID:	Q13634
Summary:	This gene encodes a type II classical cadherin from the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is expressed specifically in the central nervous system and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]
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).