

Product datasheet for **TL516141V**

Wnt4 Mouse shRNA Lentiviral Particle (Locus ID 22417)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Wnt4 Mouse shRNA Lentiviral Particle (Locus ID 22417)
Locus ID:	22417
Synonyms:	Wnt-4
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Wnt4 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	BC101962 , BC103560 , BC103561 , BC103562 , NM_009523 , NM_009523.1 , NM_009523.2
UniProt ID:	P22724
Summary:	Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Plays an important role in the embryonic development of the urogenital tract and the lung (PubMed:7990960, PubMed:9989404, PubMed:16054034, PubMed:17537789, PubMed:19830824, PubMed:26321050). Required for normal mesenchyme to epithelium transition during embryonic kidney development (PubMed:7990960, PubMed:16054034, PubMed:17537789, PubMed:19830824). Required for the formation of early epithelial renal vesicles during kidney development (PubMed:16054034). Required for normal formation of the Mullerian duct in females, and normal levels of oocytes in the ovaries (PubMed:9989404, PubMed:19830824). Required for normal down-regulation of 3 beta-hydroxysteroid dehydrogenase in the ovary (PubMed:9989404). Required for normal lung development and for normal patterning of tracheal cartilage rings (PubMed:26321050).[UniProtKB/Swiss-Prot Function]
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).