

## Product datasheet for **TL316752V**

### T box 2 (TBX2) Human shRNA Lentiviral Particle (Locus ID 6909)

#### Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	T box 2 (TBX2) Human shRNA Lentiviral Particle (Locus ID 6909)
Locus ID:	6909
Synonyms:	VETD
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	TBX2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.
RefSeq:	<a href="#">NM_005994</a> , <a href="#">NM_005994.1</a> , <a href="#">NM_005994.2</a> , <a href="#">NM_005994.3</a> , <a href="#">BC052566</a> , <a href="#">BC052566.1</a> , <a href="#">BC070054</a> , <a href="#">BM985069</a> , <a href="#">NM_005994.4</a>
UniProt ID:	<a href="#">Q13207</a>
Summary:	This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene product is the human homolog of mouse Tbx2, and shares strong sequence similarity with Drosophila omb protein. Expression studies indicate that this gene may have a potential role in tumorigenesis as an immortalizing agent. Transcript heterogeneity due to alternative polyadenylation has been noted for this gene. [provided by RefSeq, Jul 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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).