

## Product datasheet for **TL310420V**

### PILRA Human shRNA Lentiviral Particle (Locus ID 29992)

#### Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	PILRA Human shRNA Lentiviral Particle (Locus ID 29992)
Locus ID:	29992
Synonyms:	FDF03
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	PILRA - 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_013439</a> , <a href="#">NM_178272</a> , <a href="#">NM_178273</a> , <a href="#">NM_178273.1</a> , <a href="#">NM_178272.1</a> , <a href="#">NM_013439.1</a> , <a href="#">NM_013439.2</a> , <a href="#">BC017812</a> , <a href="#">NM_178273.2</a> , <a href="#">NM_178272.2</a> , <a href="#">NM_013439.3</a>
UniProt ID:	<a href="#">Q9UKJ1</a>
Summary:	Cell signaling pathways rely on a dynamic interaction between activating and inhibiting processes. SHP-1-mediated dephosphorylation of protein tyrosine residues is central to the regulation of several cell signaling pathways. Two types of inhibitory receptor superfamily members are immunoreceptor tyrosine-based inhibitory motif (ITIM)-bearing receptors and their non-ITIM-bearing, activating counterparts. Control of cell signaling via SHP-1 is thought to occur through a balance between PILRalpha-mediated inhibition and PILRbeta-mediated activation. These paired immunoglobulin-like receptor genes are located in a tandem head-to-tail orientation on chromosome 7. This particular gene encodes the ITIM-bearing member of the receptor pair, which functions in the inhibitory role. Alternative splicing has been observed at this locus and three variants, each encoding a distinct isoform, are described. [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).