Product datasheet for TL302401V

PML Protein (PML) Human shRNA Lentiviral Particle (Locus ID 5371)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	PML Protein (PML) Human shRNA Lentiviral Particle (Locus ID 5371)
Locus ID:	5371
Synonyms:	MYL; PP8675; RNF71; TRIM19
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	PML - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_002675, NM_033238, NM_033239, NM_033240, NM_033242, NM_033244, NM_033245, NM_033246, NM_033247, NM_033249, NM_033250, NM_033250.1, NM_033250.2, NM_033239.1, NM_033239.2, NM_002675.1, NM_002675.2, NM_002675.3, NM_033238.1, NM_033238.2, NM_033240.1, NM_033240.2, NM_033244.1, NM_033244.2, NM_033244.3, NM_033246.1, NM_033246.2, NM_033247.1, NM_033247.2, NM_033249.1, NM_033249.2, BC000080, BC020994, BC034251, BC139795, NM_033247.3, NM_033244.4, NM_033239.3, NM_033250.3, NM_033238.3
UniProt ID:	P29590
Summary:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This phosphoprotein localizes to nuclear bodies where it functions as a transcription factor and tumor suppressor. Its expression is cell-cycle related and it regulates the p53 response to oncogenic signals. The gene is often involved in the translocation with the retinoic acid receptor alpha gene associated with acute promyelocytic leukemia (APL). Extensive alternative splicing of this gene results in several variations of the protein's central and C-terminal regions; all variants encode the same N-terminus. Alternatively spliced transcript variants encoding different isoforms have been identified. [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 techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

View online »

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).