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Product datasheet for TL302316V

PPP2R4 (PTPA) Human shRNA Lentiviral Particle (Locus ID 5524)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	PPP2R4 (PTPA) Human shRNA Lentiviral Particle (Locus ID 5524)
Locus ID:	5524
Synonyms:	PP2A; PPP2R4; PR53
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	PPP2R4 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001193397, NM_001271832, NM_021131, NM_178000, NM_178001, NM_178002, NM_178003, NM_178000.1, NM_178000.2, NM_021131.1, NM_021131.2, NM_021131.3, NM_021131.4, NM_178001.1, NM_178001.2, NM_178003.1, NM_178003.2, NM_001193397.1, NM_001271832.1, NM_178002.1, BC002545, BC002545.2, BC011605, BC010497, BC020581, NM_021131.5, NM_178003.3, NM_178000.3
UniProt ID:	Q15257
Summary:	Protein phosphatase 2A is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2A holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holozenzyme. The product of this gene belongs to the B' family. This gene encodes a specific phosphotyrosyl phosphatase activator of the dimeric form of protein phosphatase 2A. Alternative splicing results in multiple transcript variants encoding different isoforms. [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.

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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).