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Product datasheet for TG310169

Prolactin Receptor (PRLR) Human shRNA Plasmid Kit (Locus ID 5618)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Prolactin Receptor (PRLR) Human shRNA Plasmid Kit (Locus ID 5618)
Locus ID:	5618
Synonyms:	HPRL; hPRLrI; MFAB; RI-PRLR
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	PRLR - Human, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 5618). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	NM_000949, NM_001204314, NM_001204315, NM_001204316, NM_001204317, NM_001204318, NR_037910, NM_000949.1, NM_000949.2, NM_000949.3, NM_000949.4, NM_000949.5, NM_000949.6, NM_001204318.1, NM_001204317.1, NM_001204315.1, NM_001204316.1, NM_001204314.1, NM_001204314.2, BC059392, BC059392.1, NM_000949.7
UniProt ID:	P16471
Summary:	This gene encodes a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer. [provided by RefSeq, Feb 2011]
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).