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Product datasheet for TR320455

Progesterone Receptor (PGR) Human shRNA Plasmid Kit (Locus ID 5241)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Progesterone Receptor (PGR) Human shRNA Plasmid Kit (Locus ID 5241)
Locus ID:	5241
Synonyms:	NR3C3; PR
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	PGR - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 5241). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_000926, NM_001202474, NM_001271161, NM_001271162, NR_073141, NR_073142, NR_073143, NM_000926.1, NM_000926.2, NM_000926.3, NM_000926.4, NM_001271162.1, NM_001271161.1, NM_001271161.2, NM_001202474.1, NM_001202474.2, NM_001202474.3, BC152914, NM_001271162.2
UniProt ID:	P06401
Summary:	This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promotors and translation start sites in the first exon to produce several transcript variants, both protein coding and non-protein coding. Two of the isoforms (A and B) are identical except for an additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap. [provided by RefSeq, Sep 2015]
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).