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Product datasheet for TG320247

PPAR delta (PPARD) Human shRNA Plasmid Kit (Locus ID 5467)

Product data:

Product Type:	shRNA Plasmids
Product Name:	PPAR delta (PPARD) Human shRNA Plasmid Kit (Locus ID 5467)
Locus ID:	5467
Synonyms:	FAAR; NR1C2; NUC1; NUCI; NUCII; PPARB
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	PPARD - Human, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 5467). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	NM_001171818, NM_001171819, NM_001171820, NM_006238, NM_177435, NM_006238.1, NM_006238.2, NM_006238.3, NM_006238.4, NM_177435.1, NM_177435.2, NM_001171820.1, NM_001171819.1, NM_001171818.1, BC002715, BC007578, BC127809, NM_006238.5, NM_001171818.2, NM_177435.3
UniProt ID:	Q03181
Summary:	This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) family. The encoded protein is thought to function as an integrator of transcriptional repression and nuclear receptor signaling. It may inhibit the ligand-induced transcriptional activity of peroxisome proliferator activated receptors alpha and gamma, though evidence for this effect is inconsistent. Expression of this gene in colorectal cancer cells may be variable but is typically relatively low. Knockout studies in mice suggested a role for this protein in myelination of the corpus callosum, lipid metabolism, differentiation, and epidermal cell proliferation. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. [provided by RefSeq, Aug 2017]
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).