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Product datasheet for TR502284

Trim24 Mouse shRNA Plasmid (Locus ID 21848)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Trim24 Mouse shRNA Plasmid (Locus ID 21848)
Locus ID:	21848
Synonyms:	A130082H20Rik; AI447469; D430004I05Rik; Tif; TIF1; TIF1-alpha; Tif1a; TIF1alpha
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Trim24 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 21848). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC056959, NM_001272064, NM_001272076, NM_145076, NM_145076.1, NM_145076.2, NM_145076.3, NM_145076.4, NM_001272076.1, NM_001272064.1, BC025482
UniProt ID:	Q64127
Summary:	The protein encoded by this gene is part of the tripartite-motif containing family (TRIM), which are typified by the RING, B-box type 1, B-box type 2, and coiled-coil region domains. This protein, which also contains a PHD/TTC finger and bromodomain important for regulating nuclear receptors and binding chromatin, has important roles in differentiation, development, and tissue homeostasis. This protein has been reported to regulate the activity of the tumor suppressor p53 and of the retinoic acid receptor. A translocation event between this gene and Braf transforming gene, which results in the fusion protein T18, has been reported in hepatocellular carcinomas. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]
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).