

Product datasheet for **TF308850**

TGF beta Receptor III (TGFB3) Human shRNA Plasmid Kit (Locus ID 7049)

Product data:

Product Type:	shRNA Plasmids
Product Name:	TGF beta Receptor III (TGFB3) Human shRNA Plasmid Kit (Locus ID 7049)
Locus ID:	7049
Synonyms:	betaglycan; BGCAN
Vector:	pRFP-C-RS (TR30014)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	TGFB3 - Human, 4 unique 29mer shRNA constructs in retroviral RFP vector(Gene ID = 7049). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRFP-C-RS Vector, TR30015, included for free.
RefSeq:	NM_001195683 , NM_001195684 , NM_003243 , NR_036634 , NM_003243.1 , NM_003243.3 , NM_003243.4 , NM_001195684.1 , NM_001195683.1 , BC126116 , BC099914 , BC136295 , BC143869 , NM_003243.5 , NM_001195683.2
UniProt ID:	Q03167
Summary:	This locus encodes the transforming growth factor (TGF)-beta type III receptor. The encoded receptor is a membrane proteoglycan that often functions as a co-receptor with other TGF-beta receptor superfamily members. Ectodomain shedding produces soluble TGFB3, which may inhibit TGFB signaling. Decreased expression of this receptor has been observed in various cancers. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.[provided by RefSeq, Sep 2010]
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).