

## Product datasheet for **TL308954**

### TAF9 Human shRNA Plasmid Kit (Locus ID 6880)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	TAF9 Human shRNA Plasmid Kit (Locus ID 6880)
Locus ID:	6880
Synonyms:	MGC:5067; STAF31/32; TAF2G; TAFII-31; TAFII-32; TAFII31; TAFII32; TAFIID32
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	TAF9 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 6880). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_001015892</a> , <a href="#">NM_003187</a> , <a href="#">NM_016283.2</a> , <a href="#">NM_016283.3</a> , <a href="#">NM_003187.1</a> , <a href="#">NM_003187.2</a> , <a href="#">NM_003187.3</a> , <a href="#">NM_003187.4</a> , <a href="#">NM_001015892.1</a> , <a href="#">BC007349</a> , <a href="#">BC003400</a> , <a href="#">BC003400.1</a> , <a href="#">BC033320</a> , <a href="#">NM_003187.5</a>
UniProt ID:	<a href="#">Q16594</a>
Summary:	Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the smaller subunits of TFIID that binds to the basal transcription factor GTF2B as well as to several transcriptional activators such as p53 and VP16. In human, TAF9 and AK6 (GeneID: 102157402) are two distinct genes that share 5' exons. A similar but distinct gene (TAF9L) has been found on the X chromosome and a pseudogene has been identified on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]



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**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](mailto:techsupport@origene.com). If you need a special design or shRNA sequence, please utilize our [custom shRNA service](#).

**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](mailto: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).