

## Product datasheet for **TL312993**

### FGF12 Human shRNA Plasmid Kit (Locus ID 2257)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	FGF12 Human shRNA Plasmid Kit (Locus ID 2257)
Locus ID:	2257
Synonyms:	DEE47; EIEE47; FGF12B; FHF1
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	FGF12 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 2257). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_004113</a> , <a href="#">NM_021032</a> , <a href="#">NM_004113.3</a> , <a href="#">NM_004113.4</a> , <a href="#">NM_004113.5</a> , <a href="#">NM_021032.1</a> , <a href="#">NM_021032.2</a> , <a href="#">NM_021032.3</a> , <a href="#">NM_021032.4</a> , <a href="#">BC022524</a> , <a href="#">BC022524.1</a> , <a href="#">NM_021032.5</a> , <a href="#">NM_004113.6</a>
UniProt ID:	<a href="#">P61328</a>
Summary:	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. This growth factor lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. [provided by RefSeq, Dec 2019]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](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).