

## Product datasheet for **TG312881**

### Frizzled 6 (FZD6) Human shRNA Plasmid Kit (Locus ID 8323)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Frizzled 6 (FZD6) Human shRNA Plasmid Kit (Locus ID 8323)
Locus ID:	8323
Synonyms:	FZ-6; FZ6; HFZ6; NDNC1; NDNC10
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	FZD6 - Human, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 8323). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	<a href="#">NM_001164615</a> , <a href="#">NM_001164616</a> , <a href="#">NM_001317796</a> , <a href="#">NM_003506</a> , <a href="#">NR_133921</a> , <a href="#">NM_003506.1</a> , <a href="#">NM_003506.2</a> , <a href="#">NM_003506.3</a> , <a href="#">NM_001164616.1</a> , <a href="#">NM_001164615.1</a> , <a href="#">BC060836</a> , <a href="#">BC060836.1</a> , <a href="#">BC036106</a> , <a href="#">NM_001164616.2</a>
UniProt ID:	<a href="#">O60353</a>
Summary:	This gene represents a member of the 'frizzled' gene family, which encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The protein encoded by this family member contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, and seven transmembrane domains, but unlike other family members, this protein does not contain a C-terminal PDZ domain-binding motif. This protein functions as a negative regulator of the canonical Wnt/beta-catenin signaling cascade, thereby inhibiting the processes that trigger oncogenic transformation, cell proliferation, and inhibition of apoptosis. Alternative splicing results in multiple transcript variants, some of which do not encode a protein with a predicted signal peptide.[provided by RefSeq, Aug 2011]
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).