

## Product datasheet for **TR312905**

### FUBP1 Human shRNA Plasmid Kit (Locus ID 8880)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	FUBP1 Human shRNA Plasmid Kit (Locus ID 8880)
Locus ID:	8880
Synonyms:	FBP; FUBP; hDH V
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	FUBP1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 8880). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC017247</a> , <a href="#">NM_001303433</a> , <a href="#">NM_003902</a> , <a href="#">NR_130152</a> , <a href="#">NR_146539</a> , <a href="#">NR_146540</a> , <a href="#">NM_003902.1</a> , <a href="#">NM_003902.2</a> , <a href="#">NM_003902.3</a> , <a href="#">NM_003902.4</a> , <a href="#">NM_001303433.1</a> , <a href="#">BC017247.2</a> , <a href="#">BC010083</a> , <a href="#">NM_003902.5</a>
UniProt ID:	<a href="#">Q96AE4</a>
Summary:	The protein encoded by this gene is a single stranded DNA-binding protein that binds to multiple DNA elements, including the far upstream element (FUSE) located upstream of c-myc. Binding to FUSE occurs on the non-coding strand, and is important to the regulation of c-myc in undifferentiated cells. This protein contains three domains, an amphipathic helix N-terminal domain, a DNA-binding central domain, and a C-terminal transactivation domain that contains three tyrosine-rich motifs. The N-terminal domain is thought to repress the activity of the C-terminal domain. This protein is also thought to bind RNA, and contains 3'-5' helicase activity with in vitro activity on both DNA-DNA and RNA-RNA duplexes. Aberrant expression of this gene has been found in malignant tissues, and this gene is important to neural system and lung development. Binding of this protein to viral RNA is thought to play a role in several viral diseases, including hepatitis C and hand, foot and mouth disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]



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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).