

## Product datasheet for **TR317683**

### UBE3B Human shRNA Plasmid Kit (Locus ID 89910)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	UBE3B Human shRNA Plasmid Kit (Locus ID 89910)
Locus ID:	89910
Synonyms:	BPIDS; KOS
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	UBE3B - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 89910). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_001270449</a> , <a href="#">NM_001270450</a> , <a href="#">NM_001270451</a> , <a href="#">NM_130466</a> , <a href="#">NM_183414</a> , <a href="#">NM_183415</a> , <a href="#">NM_130466.1</a> , <a href="#">NM_130466.2</a> , <a href="#">NM_130466.3</a> , <a href="#">NM_183415.1</a> , <a href="#">NM_183415.2</a> , <a href="#">NM_001270449.1</a> , <a href="#">NM_001270450.1</a> , <a href="#">NM_001270451.1</a> , <a href="#">BC141880</a> , <a href="#">BC013182</a> , <a href="#">BC020348</a> , <a href="#">BC032301</a> , <a href="#">BC040155</a> , <a href="#">BC051266</a> , <a href="#">BC068221</a> , <a href="#">BC108705</a> , <a href="#">BC144684</a> , <a href="#">BC150637</a> , <a href="#">NM_130466.4</a> , <a href="#">NM_183415.3</a>
UniProt ID:	<a href="#">Q7Z3V4</a>
Summary:	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: E1 ubiquitin-activating enzymes, E2 ubiquitin-conjugating enzymes, and E3 ubiquitin-protein ligases. This gene encodes a member of the E3 ubiquitin-conjugating enzyme family which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme and transfers the ubiquitin to the targeted substrates. A HECT (homology to E6-AP C-terminus) domain in the C-terminus of the longer isoform of this protein is the catalytic site of ubiquitin transfer and forms a complex with E2 conjugases. Shorter isoforms of this protein which lack the C-terminal HECT domain are therefore unlikely to bind E2 enzymes. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2012]



[View online »](#)

- 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).