

Product datasheet for **TR300385**

ZBTB20 Human shRNA Plasmid Kit (Locus ID 26137)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ZBTB20 Human shRNA Plasmid Kit (Locus ID 26137)
Locus ID:	26137
Synonyms:	DPZF; HOF; ODA-8S; PRIMS; ZNF288
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ZBTB20 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 26137). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001164342 , NM_001164343 , NM_001164344 , NM_001164345 , NM_001164346 , NM_001164347 , NM_015642 , NR_121662 , NM_001348800 , NM_001348801 , NM_001348802 , NM_001348803 , NM_001348804 , NM_001348805 , NM_015642.1 , NM_015642.2 , NM_015642.3 , NM_015642.4 , NM_015642.5 , NM_001164342.1 , NM_001164342.2 , NM_001164343.1 , NM_001164343.2 , NM_001164344.1 , NM_001164344.2 , NM_001164345.1 , NM_001164345.2 , NM_001164346.1 , NM_001164346.2 , NM_001164347.1 , NM_001164347.2 , BC029041 , BC029041.1 , BC010934 , BC015587 , BC016962 , BC035518 , BC090936 , NM_015642.6 , NM_001164344.3 , NM_001164345.3
UniProt ID:	Q9HC78
Summary:	This gene, which was initially designated as dendritic cell-derived BTB/POZ zinc finger (DPZF), belongs to a family of transcription factors with an N-terminal BTB/POZ domain and a C-terminal DNA-binding zinc finger domain. The BTB/POZ domain is a hydrophobic region of approximately 120 aa which mediates association with other BTB/POZ domain-containing proteins. This gene acts as a transcriptional repressor and plays a role in many processes including neurogenesis, glucose homeostasis, and postnatal growth. Mutations in this gene have been associated with Primrose syndrome as well as the 3q13.31 microdeletion syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2017]



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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. 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. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).