

Product datasheet for **TR701765**

Irf2bpl Rat shRNA Plasmid (Locus ID 314329)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Irf2bpl Rat shRNA Plasmid (Locus ID 314329)
Locus ID:	314329
Synonyms:	Eap1; Pqcp; RGD1310994
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Irf2bpl - Rat, 4 unique 29mer shRNA constructs in retroviral untagged vector (Gene ID = 314329). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001012470 , NM_001012470.1 , BC098759
UniProt ID:	Q5EIC4
Summary:	Probable E3 ubiquitin protein ligase involved in the proteasome-mediated ubiquitin-dependent degradation of target proteins. Through the degradation of CTNNB1, functions downstream of FOXF2 to negatively regulate the Wnt signaling pathway. Probably plays a role in the development of the central nervous system and in neuronal maintenance (By similarity). Also acts as a transcriptional regulator of genes controlling female reproductive function. May play a role in gene transcription by transactivating GNRH1 promoter and repressing PENK promoter.[UniProtKB/Swiss-Prot Function]
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 .



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