

## Product datasheet for **TR315546**

### RRBP1 Human shRNA Plasmid Kit (Locus ID 6238)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	RRBP1 Human shRNA Plasmid Kit (Locus ID 6238)
Locus ID:	6238
Synonyms:	ES/130; ES130; hES; p180; RRp
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	RRBP1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 6238). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_001042576</a> , <a href="#">NM_004587</a> , <a href="#">NM_004587.1</a> , <a href="#">NM_004587.2</a> , <a href="#">NM_001042576.1</a> , <a href="#">BC000099</a> , <a href="#">BC009700</a> , <a href="#">BC020482</a> , <a href="#">BC080526</a> , <a href="#">BC108741</a> , <a href="#">BC128577</a> , <a href="#">BC128578</a> , <a href="#">NM_001365613</a>
UniProt ID:	<a href="#">Q9P2E9</a>
Summary:	This gene encodes a ribosome-binding protein of the endoplasmic reticulum (ER) membrane. Studies suggest that this gene plays a role in ER proliferation, secretory pathways and secretory cell differentiation, and mediation of ER-microtubule interactions. Alternative splicing has been observed and protein isoforms are characterized by regions of N-terminal decapeptide and C-terminal heptad repeats. Splicing of the tandem repeats results in variations in ribosome-binding affinity and secretory function. The full-length nature of variants which differ in repeat length has not been determined. Pseudogenes of this gene have been identified on chromosomes 3 and 7, and RRBP1 has been excluded as a candidate gene in the cause of Alagille syndrome, the result of a mutation in a nearby gene on chromosome 20p12. [provided by RefSeq, Apr 2012]
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).