

## Product datasheet for **TR313142**

### **EWSR1 Human shRNA Plasmid Kit (Locus ID 2130)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	EWSR1 Human shRNA Plasmid Kit (Locus ID 2130)
Locus ID:	2130
Synonyms:	bK984G1.4; EWS; EWS-FLI1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	EWSR1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 2130). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC000527</a> , <a href="#">NM_001163285</a> , <a href="#">NM_001163286</a> , <a href="#">NM_001163287</a> , <a href="#">NM_005243</a> , <a href="#">NM_013986</a> , <a href="#">NM_005243.1</a> , <a href="#">NM_005243.2</a> , <a href="#">NM_005243.3</a> , <a href="#">NM_013986.1</a> , <a href="#">NM_013986.2</a> , <a href="#">NM_013986.3</a> , <a href="#">NM_001163287.1</a> , <a href="#">NM_001163285.1</a> , <a href="#">BC000527.2</a> , <a href="#">BC011048</a> , <a href="#">BC004817</a> , <a href="#">BC072442</a> , <a href="#">BM981230</a> , <a href="#">NM_001163287.2</a> , <a href="#">NM_001163286.2</a> , <a href="#">NM_005243.4</a>
UniProt ID:	<a href="#">Q01844</a>
Summary:	This gene encodes a multifunctional protein that is involved in various cellular processes, including gene expression, cell signaling, and RNA processing and transport. The protein includes an N-terminal transcriptional activation domain and a C-terminal RNA-binding domain. Chromosomal translocations between this gene and various genes encoding transcription factors result in the production of chimeric proteins that are involved in tumorigenesis. These chimeric proteins usually consist of the N-terminal transcriptional activation domain of this protein fused to the C-terminal DNA-binding domain of the transcription factor protein. Mutations in this gene, specifically a t(11;22)(q24;q12) translocation, are known to cause Ewing sarcoma as well as neuroectodermal and various other tumors. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and 14. [provided by RefSeq, Jul 2009]



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<b>shRNA Design:</b>	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> .
<b>Performance Guaranteed:</b>	<p>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.</p> <p>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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a>. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).</p>