

## Product datasheet for **TR301950**

### **RNF170 Human shRNA Plasmid Kit (Locus ID 81790)**

#### **Product data:**

<b>Product Type:</b>	shRNA Plasmids
<b>Product Name:</b>	RNF170 Human shRNA Plasmid Kit (Locus ID 81790)
<b>Locus ID:</b>	81790
<b>Synonyms:</b>	ADSA; SNAX1
<b>Vector:</b>	pRS (TR20003)
<b>E. coli Selection:</b>	Ampicillin
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Format:</b>	Retroviral plasmids
<b>Components:</b>	RNF170 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 81790). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
<b>RefSeq:</b>	<a href="#">BC032393</a> , <a href="#">NM_001160223</a> , <a href="#">NM_001160224</a> , <a href="#">NM_001160225</a> , <a href="#">NM_030954</a> , <a href="#">NR_027668</a> , <a href="#">NR_027669</a> , <a href="#">NM_030954.1</a> , <a href="#">NM_030954.2</a> , <a href="#">NM_030954.3</a> , <a href="#">NM_001160225.1</a> , <a href="#">NM_001160223.1</a> , <a href="#">NM_001160224.1</a> , <a href="#">BC032393.1</a> , <a href="#">BC013422</a> , <a href="#">BC039461</a> , <a href="#">BC044566</a> , <a href="#">BC058289</a> , <a href="#">NM_001160224.2</a> , <a href="#">NM_001160225.2</a>
<b>UniProt ID:</b>	<a href="#">Q96K19</a>
<b>Summary:</b>	This gene encodes a RING domain-containing protein that resides in the endoplasmic reticulum (ER) membrane. This protein functions as an E3 ubiquitin ligase and mediates ubiquitination and processing of inositol 1,4,5-trisphosphate (IP3) receptors via the ER-associated protein degradation pathway. It is recruited to the activated IP3 receptors by the ERLIN1/ERLIN2 complex to which it is constitutively bound. Mutations in this gene are associated with autosomal dominant sensory ataxia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]
<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> .



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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).