

Product datasheet for **TR309204**

SNX13 Human shRNA Plasmid Kit (Locus ID 23161)

Product data:

Product Type:	shRNA Plasmids
Product Name:	SNX13 Human shRNA Plasmid Kit (Locus ID 23161)
Locus ID:	23161
Synonyms:	RGS-PX1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	SNX13 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 23161). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<u>NM_015132</u> , <u>NM_001350862</u> , <u>NM_001350863</u> , <u>NM_001350864</u> , <u>NM_001350865</u> , <u>NM_001350866</u> , <u>NM_001350867</u> , <u>NM_001350868</u> , <u>NM_001350870</u> , <u>NM_015132.1</u> , <u>NM_015132.2</u> , <u>NM_015132.3</u> , <u>NM_015132.4</u> , <u>BC045667</u> , <u>BC045667.1</u> , <u>BC022060</u> , <u>BC041844</u> , <u>BC050289</u> , <u>NR_146933</u> , <u>NR_146932</u> , <u>NM_015132.5</u>
UniProt ID:	<u>Q9Y5W8</u>
Summary:	This gene encodes a PHOX domain- and RGS domain-containing protein that belongs to the sorting nexin (SNX) family and the regulator of G protein signaling (RGS) family. The PHOX domain is a phosphoinositide binding domain, and the SNX family members are involved in intracellular trafficking. The RGS family members are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. The RGS domain of this protein interacts with G alpha(s), accelerates its GTP hydrolysis, and attenuates G alpha(s)-mediated signaling. Overexpression of this protein delays lysosomal degradation of the epidermal growth factor receptor. Because of its bifunctional role, this protein may link heterotrimeric G protein signaling and vesicular trafficking. [provided by RefSeq, Jul 2008]
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).