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Product datasheet for TL319194

LINC00312 Human shRNA Plasmid Kit (Locus ID 29931)

Product data:

Product Type:	shRNA Plasmids
Product Name:	LINC00312 Human shRNA Plasmid Kit (Locus ID 29931)
Locus ID:	29931
Synonyms:	NAG7, ERR10, NAG-7, ERR-10
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	LINC00312 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 29931). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_013343, NR_024065, NM_013343.1, BC016278, BC009773, BM686558
Summary:	This gene produces an intronless transcript that is thought to function as a tumor suppressor. This transcript is downregulated in nasopharyngeal carcinoma and is a negative regulator of estrogen receptor signaling. A common polymorphism in this transcript allows the production of a 94 aa open reading frame in some individuals, which may interact directly with estrogen receptor 1 (PMID:15474036). This open reading frame does not exist on the reference genome haplotype, which is hypothesized to function through a non-coding RNA product. [provided by RefSeq, Mar 2017]
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).