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Product datasheet for TL314428

Bassoon (BSN) Human shRNA Plasmid Kit (Locus ID 8927)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Bassoon (BSN) Human shRNA Plasmid Kit (Locus ID 8927)
Locus ID:	8927
Synonyms:	ZNF231
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	BSN - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 8927). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_003458, NM_003458.1, NM_003458.2, NM_003458.3
UniProt ID:	Q9UPA5
Summary:	Neurotransmitters are released from a specific site in the axon terminal called the active zone, which is composed of synaptic vesicles and a meshwork of cytoskeleton underlying the plasma membrane. The protein encoded by this gene is thought to be a scaffolding protein involved in organizing the presynaptic cytoskeleton. The gene is expressed primarily in neurons in the brain. A similar gene product in rodents is concentrated in the active zone of axon terminals and tightly associated with cytoskeletal structures, and is essential for regulating neurotransmitter release from a subset of synapses. [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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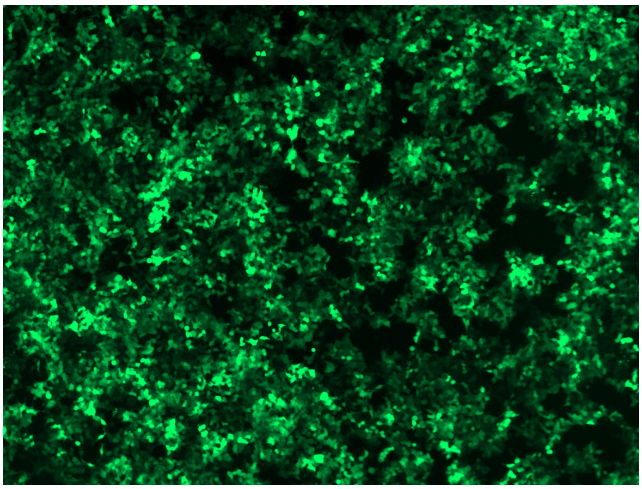
Performance Guaranteed:

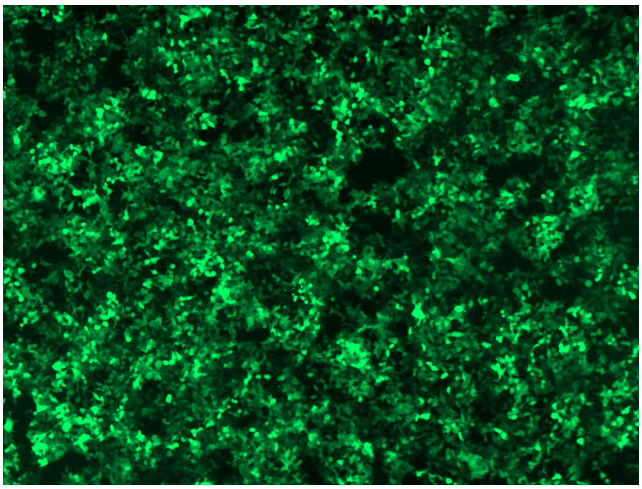
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. 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).

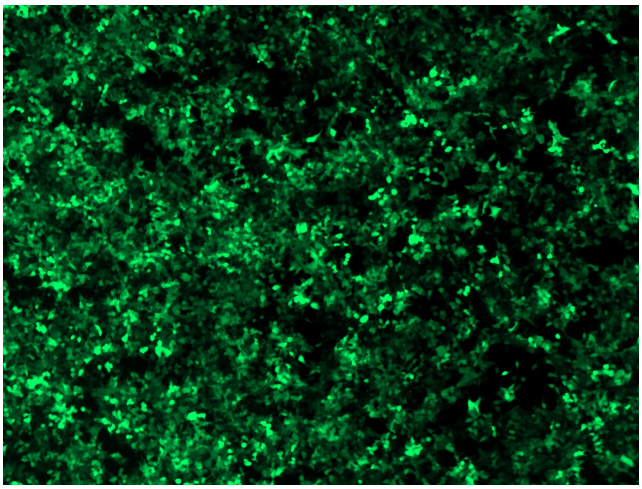
Product images:



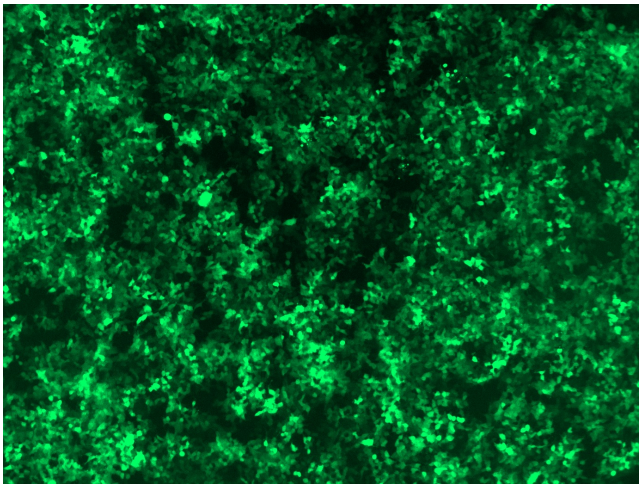
GFP signal was observed under microscope at 48 hours after transduction of TL314428A virus into HEK293 cells. TL314428A virus was prepared using lenti-shRNA TL314428A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL314428B virus into HEK293 cells. TL314428B virus was prepared using lenti-shRNA TL314428B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL314428C] virus into HEK293 cells. [TL314428C] virus was prepared using lenti-shRNA [TL314428C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL314428D] virus into HEK293 cells. [TL314428D] virus was prepared using lenti-shRNA [TL314428D] and [TR30037] packaging kit.