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Product datasheet for TL301267

Granuphilin (SYTL4) Human shRNA Plasmid Kit (Locus ID 94121)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Granuphilin (SYTL4) Human shRNA Plasmid Kit (Locus ID 94121)
Locus ID:	94121
Synonyms:	SLP4
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	SYTL4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 94121). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001129896, NM_001174068, NM_080737, NM_080737.1, NM_080737.2, NM_001129896.1, NM_001129896.2, NM_001174068.1, BC014913, BC014913.1, NM_001370161, NM_001370162, NM_001370164, NM_001370166, NM_001370168, NM_001370160, NM_001370163, NM_001370165, NM_001370167, NM_001370169, NM_001129896.3, NM_001174068.2
UniProt ID:	Q96C24
Summary:	This gene encodes a member of the synaptotagmin like protein family. Members of this family are characterized by an N-terminal Rab27 binding domain and C-terminal tandem C2 domains. The encoded protein binds specific small Rab GTPases and is involved in intracellular membrane trafficking. This protein binds Rab27 and may be involved in inhibiting dense core vesicle exocytosis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Mar 2010]
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).