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Product datasheet for TL300556

VPS29 Human shRNA Plasmid Kit (Locus ID 51699)

Product data:

Product Type:	shRNA Plasmids
Product Name:	VPS29 Human shRNA Plasmid Kit (Locus ID 51699)
Locus ID:	51699
Synonyms:	DC7; DC15; PEP11
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	VPS29 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 51699). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC032462, NM_001282150, NM_001282151, NM_016226, NM_057180, NR_104099, NR_104100, NR_104101, NR_104102, NM_057180.1, NM_057180.2, NM_016226.1, NM_016226.2, NM_016226.3, NM_016226.4, NM_001282151.1, NM_001282150.1, BC032462.1, BC000880, BC000880.1, BC015095, BC017964, BC095446, BM806646, NM_016226.5
UniProt ID:	Q9UBQ0
Summary:	This gene belongs to a group of vacuolar protein sorting (VPS) genes that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. The protein encoded by this gene is a component of a large multimeric complex, termed the retromer complex, which is involved in retrograde transport of proteins from endosomes to the trans-Golgi network. This VPS protein may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment. Alternative splice variants encoding different isoforms and representing non-protein coding transcripts have been found for this gene. [provided by RefSeq, Aug 2013]
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).