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Product datasheet for TR304042

HRAS like suppressor (HRASLS) Human shRNA Plasmid Kit (Locus ID 57110)

Product data:

Product Type:	shRNA Plasmids
Locus ID:	57110
Synonyms:	A-C1; H-REV107; HRASLS; HRASLS1; HRSL1; HSD28; PLA/AT1; PLAAT-1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	HRASLS - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 57110). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_020386, NM_020386.1, NM_020386.2, NM_020386.3, NM_020386.4, BC048095, BC048095.1, NM_001366112, NM_020386.5
UniProt ID:	Q9HDD0
Summary:	Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:21880860, PubMed:26503625). Shows phospholipase A1 (PLA1) and A2 (PLA2) activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids (PubMed:21880860, PubMed:22825852, PubMed:27623847). Shows O-acyltransferase activity, catalyzing the transfer of a fatty acyl group from glycerophospholipid to the hydroxyl group of lysophospholipid (PubMed:21880860). Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC) and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE), forming N-acylphosphatidylethanolamine (NAPE) which serves as precursor for N-acylethanolamines (NAEs) (PubMed:21880860, PubMed:22825852, PubMed:27623847).[UniProtKB/Swiss-Prot Function]

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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.

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).