Product datasheet for TL309186

SORBS2 Human shRNA Plasmid Kit (Locus ID 8470)

Product data:

Product Type:	shRNA Plasmids
Product Name:	SORBS2 Human shRNA Plasmid Kit (Locus ID 8470)
Locus ID:	8470
Synonyms:	ARGBP2; PRO0618
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	SORBS2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 8470). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001145670, NM_001145671, NM_001145672, NM_001145673, NM_001145674, NM_001145675, NM_001270771, NM_003603, NM_021069, NM_003603.1, NM_003603.2, NM_003603.3, NM_003603.4, NM_003603.5, NM_003603.6, NM_021069.1, NM_021069.2, NM_021069.3, NM_001145670.1, NM_001145671.1, NM_001145671.2, NM_001145672.1, NM_001145673.1, NM_001145674.1, NM_001145675.1, NM_001270771.1, BC011883, BC030082, BC035329, BC069025, BC122526, NM_001270771.2, NM_001145673.2, NM_001145675.2, NM_021069.5
UniProt ID:	O94875
Summary:	Arg and c-Abl represent the mammalian members of the Abelson family of non-receptor protein-tyrosine kinases. They interact with the Arg/Abl binding proteins via the SH3 domains present in the carboxy end of the latter group of proteins. This gene encodes the sorbin and SH3 domain containing 2 protein. It has three C-terminal SH3 domains and an N-terminal sorbin homology (SoHo) domain that interacts with lipid raft proteins. The subcellular localization of this protein in epithelial and cardiac muscle cells suggests that it functions as an adapter protein to assemble signaling complexes in stress fibers, and that it is a potential link between Abl family kinases and the actin cytoskeleton. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

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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).