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Product datasheet for TL315014V

SSH3BP1 (ABI1) Human shRNA Lentiviral Particle (Locus ID 10006)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	SSH3BP1 (ABI1) Human shRNA Lentiviral Particle (Locus ID 10006)
Locus ID:	10006
Synonyms:	ABI-1; ABLBP4; E3B1; NAP1BP; SSH3BP; SSH3BP1
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	ABI1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001012750, NM_001012751, NM_001012752, NM_001178116, NM_001178119, NM_001178120, NM_001178121, NM_001178122, NM_001178123, NM_001178124, NM_001178125, NM_005470, NM_001348029, NM_001348030, NM_001348031, NM_001348032, NM_001348033, NM_001348034, NR_145410, NM_001012752.1, NM_001012752.2, NM_001012751.1, NM_001012751.2, NM_005470.1, NM_005470.2, NM_005470.3, NM_001012750.1, NM_001012750.2, NM_001178125.1, NM_001178124.1, NM_001178123.1, NM_001178122.1, NM_001178121.1, NM_001178120.1, NM_001178119.1, NM_001178116.1, BC024254, BC013238, NM_001012750.3
UniProt ID:	Q8IZP0
Summary:	This gene encodes a member of the Abelson-interactor family of adaptor proteins. These proteins facilitate signal transduction as components of several multiprotein complexes, and regulate actin polymerization and cytoskeletal remodeling through interactions with Abelson tyrosine kinases. The encoded protein plays a role in macropinocytosis as a component of the WAVE2 complex, and also forms a complex with EPS8 and SOS1 that mediates signal transduction from Ras to Rac. This gene may play a role in the progression of several malignancies including melanoma, colon cancer and breast cancer, and a t(10;11) chromosomal translocation involving this gene and the MLL gene has been associated with acute myeloid leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 14. [provided by RefSeq, Sep 2011]

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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).