

## Product datasheet for **TR314517**

### **BAIAP2 Human shRNA Plasmid Kit (Locus ID 10458)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	BAIAP2 Human shRNA Plasmid Kit (Locus ID 10458)
Locus ID:	10458
Synonyms:	BAP2; FLAF3; IRSP53; WAML
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	BAIAP2 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 10458). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_001144888</a> , <a href="#">NM_006340</a> , <a href="#">NM_017450</a> , <a href="#">NM_017451</a> , <a href="#">NM_017450.1</a> , <a href="#">NM_017450.2</a> , <a href="#">NM_006340.1</a> , <a href="#">NM_006340.2</a> , <a href="#">NM_017451.1</a> , <a href="#">NM_017451.2</a> , <a href="#">NM_001144888.1</a> , <a href="#">BC014020</a> , <a href="#">BC002495</a> , <a href="#">BC032559</a> , <a href="#">NM_001144888.2</a> , <a href="#">NM_017451.3</a> , <a href="#">NM_006340.3</a> , <a href="#">NM_017450.3</a>
UniProt ID:	<a href="#">Q9UQB8</a>
Summary:	The protein encoded by this gene has been identified as a brain-specific angiogenesis inhibitor (BAI1)-binding protein. This adaptor protein links membrane bound G-proteins to cytoplasmic effector proteins. This protein functions as an insulin receptor tyrosine kinase substrate and suggests a role for insulin in the central nervous system. It also associates with a downstream effector of Rho small G proteins, which is associated with the formation of stress fibers and cytokinesis. This protein is involved in lamellipodia and filopodia formation in motile cells and may affect neuronal growth-cone guidance. This protein has also been identified as interacting with the dentatorubral-pallidolusian atrophy gene, which is associated with an autosomal dominant neurodegenerative disease. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jan 2009]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



[View online »](#)

**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](mailto: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).