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Product datasheet for TR500660

Fabp2 Mouse shRNA Plasmid (Locus ID 14079)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Fabp2 Mouse shRNA Plasmid (Locus ID 14079)
Locus ID:	14079
Synonyms:	Fa; Fabpi; I-F; I-FABP
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Fabp2 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 14079). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC013457, NM_007980, NM_007980.1, NM_007980.2, NM_007980.3
UniProt ID:	P55050
Summary:	The protein encoded by this gene is part of the fatty acid binding protein family (FABP). FABPs are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands and participate in fatty acid uptake, transport, and metabolism. This protein functions within enterocytes, possibly to sense lipids as part of energy homeostasis. In humans polymorphisms are associated with increased fat oxidation and insulin resistance. In mice deficiency of this gene alters body weight in a gender-specific manner and causes hyperinsulinemia. [provided by RefSeq, Jan 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).