

Product datasheet for **TR501093**

Fabp6 Mouse shRNA Plasmid (Locus ID 16204)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Fabp6 Mouse shRNA Plasmid (Locus ID 16204)
Locus ID:	16204
Synonyms:	GT; I; I-1; I-15P; I-B; I-BABP; IL; ILBP; ILBP3; Illbp
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Fabp6 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 16204). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC119289 , BC120767 , NM_008375 , NM_008375.1 , NM_008375.2
UniProt ID:	P51162
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 the ileum, the distal 25-30% of the small intestine, and plays a role in enterohepatic circulation of bile acids and cholesterol homeostasis. In humans, it has been reported that polymorphisms in FABP6 confer a protective effect in obese individuals from developing type 2 diabetes. In mice deficiency of this gene affects bile acid metabolism in a gender-specific manner and was reported to be required for efficient apical to basolateral transport of conjugated bile acids. [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).