

Product datasheet for **TL514097**

Clps Mouse shRNA Plasmid (Locus ID 109791)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Clps Mouse shRNA Plasmid (Locus ID 109791)
Locus ID:	109791
Synonyms:	2200003J09Rik
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Clps - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 109791). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC042935 , NM_025469 , NM_025469.1 , NM_025469.2 , NM_025469.3 , BM570078
UniProt ID:	Q9CQC2
Summary:	This gene encodes a member of the colipase family of coenzymes that is required for the optimal activity of pancreatic lipase. The encoded protein undergoes proteolytic processing to generate a mature polypeptide that binds to the lipase and prevents inhibition by bile acids. Over half of the mice lacking the encoded protein die within two weeks of birth while the remaining ones exhibit fat malabsorption and altered body weight regulation. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Nov 2015]
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).