

Product datasheet for TL500168

Atp5j Mouse shRNA Plasmid (Locus ID 11957)

Product data:

Product Type: shRNA Plasmids

Product Name: Atp5j Mouse shRNA Plasmid (Locus ID 11957)

Locus ID: 11957

Synonyms: Atp5pf; CF6

Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)

Mammalian Cell

Puromycin

Selection:

Format: Lentiviral plasmids

Components: Atp5j - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 11957).

5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.

RefSeq: BC010766, NM 001302213, NM 001302214, NM 001302215, NM 001302216, NM 016755,

NM 016755.1, NM 016755.2, NM 016755.3, NM 001302213.1, NM 001302214.1,

NM 001302215.1, NM 001302216.1

UniProt ID: P97450

Summary: The protein encoded by this gene is a component of mitochondrial adenosine triphosphate

synthase, which catalyzes the conversion of ATP from ADP. Mitochondrial adenosine

triphosphate synthase consists of extrinsic and intrinsic membrane domains that are joined by a stalk. The protein encoded by this gene is a subunit of the stalk domain. A bi-directional promoter that drives expression of this gene has been has been identified. Pseudogenes of this gene are found on chromosomes 14 and 17. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Oct 2014]

shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To

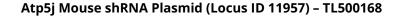
be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our <u>custom shRNA service</u>.



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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).