

Product datasheet for **TL516456V**

Serpina10 Mouse shRNA Lentiviral Particle (Locus ID 217847)

Product data:

Product Type: shRNA Lentiviral Particles

Product Name: Serpina10 Mouse shRNA Lentiviral Particle (Locus ID 217847)

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Synonyms: P; PZI; ZPI

Vector: pGFP-C-shLenti (TR30023)

Format: Lentiviral particles

Components: Serpina10 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10⁷ TU/ml.

RefSeq: [BC018416](#), [BC025821](#), [NM_001301404](#), [NM_144834](#), [NM_144834.1](#), [NM_144834.2](#), [NM_144834.3](#), [NM_144834.4](#), [NM_001301404.1](#)

UniProt ID: [Q8R121](#)

Summary: The protein encoded by this gene is a member of the large serpin family of proteins, and is also known as serpin PZ-dependent protease inhibitor (ZPI or PZI). This protein is thought to play an important role in the regulation of coagulation. It directly inhibits factor XIa, and also inhibits factor Xa in the presence of calcium, phospholipids, and protein Z (PZ). Deficiencies in this gene lead to an increase in thrombosis. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Aug 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 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).