

## Product datasheet for **TL313587V**

### **CYP3A7 Human shRNA Lentiviral Particle (Locus ID 1551)**

#### **Product data:**

|                      |   |
|----------------------|---|
| <b>Product Type:</b> | shRNA Lentiviral Particles  |
| <b>Product Name:</b> | CYP3A7 Human shRNA Lentiviral Particle (Locus ID 1551)  |
| <b>Locus ID:</b>     | 1551  |
| <b>Synonyms:</b>     | CP37; CYP11A7; P-450(HFL33); P-450111A7; P450-HFLA; P450HLp2  |
| <b>Vector:</b>       | pGFP-C-shLenti (TR30023)  |
| <b>Format:</b>       | Lentiviral particles  |
| <b>Components:</b>   | CYP3A7 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.  |
| <b>RefSeq:</b>       | <a href="#">NM_000765</a> , <a href="#">NM_000765.1</a> , <a href="#">NM_000765.2</a> , <a href="#">NM_000765.3</a> , <a href="#">NM_000765.4</a> , <a href="#">BC067436</a> , <a href="#">BC069780</a>   |
| <b>UniProt ID:</b>   | <a href="#">P24462</a>  |
| <b>Summary:</b>      | This gene encodes a member of the cytochrome P450 superfamily of enzymes, which participate in drug metabolism and the synthesis of cholesterol, steroids and other lipids. This enzyme hydroxylates testosterone and dehydroepiandrosterone 3-sulphate, which is involved in the formation of estriol during pregnancy. This gene is part of a cluster of related genes on chromosome 7q21.1. Naturally-occurring readthrough transcription occurs between this gene and the downstream CYP3A51P pseudogene and is represented by GeneID:100861540. [provided by RefSeq, Jan 2015] |
| <b>shRNA Design:</b> | 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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .  |



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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](mailto: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).