

Product datasheet for **TL515105**

Sult1d1 Mouse shRNA Plasmid (Locus ID 53315)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Sult1d1 Mouse shRNA Plasmid (Locus ID 53315)
Locus ID:	53315
Synonyms:	5033411P13Rik; AI987815; ST1d1; SULT-N; Sultn
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Sult1d1 - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 53315). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC066190 , NM_016771 , NM_016771.1 , NM_016771.2 , NM_016771.3 , BC010752
UniProt ID:	Q3UZZ6
Summary:	Sulfotransferase with broad substrate specificity that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, such as dopamine, prostaglandins, leukotriene E4, drugs and xenobiotic compounds. Has sulfotransferase activity towards p-nitrophenol, 2-naphthylamine and minoxidil (in vitro). Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites.[UniProtKB/Swiss-Prot Function]
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).