

Product datasheet for TL301393

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SPTY2D1 Human shRNA Plasmid Kit (Locus ID 144108)

Product data:

Product Type: shRNA Plasmids

Product Name: SPTY2D1 Human shRNA Plasmid Kit (Locus ID 144108)

Locus ID: 144108 Synonyms: Spt2

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

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

SPTY2D1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = Components:

144108). 5µg purified plasmid DNA per construct

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

NM 194285, NM 194285.2, BC036844, BC056261, NM 194285.3 RefSeq:

UniProt ID: O68D10

Histone chaperone that stabilizes pre-existing histone tetramers and regulates replication-**Summary:**

> independent histone exchange on chromatin (PubMed:26109053). Required for normal chromatin refolding in the coding region of transcribed genes, and for the suppression of

spurious transcription (PubMed:26109053). Binds DNA and histones and promotes

nucleosome assembly (in vitro) (PubMed:23378026, PubMed:26109053). Facilitates formation

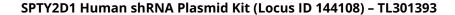
of tetrameric histone complexes containing histone H3 and H4 (PubMed:26109053). Modulates RNA polymerase 1-mediated transcription (By similarity). Binds DNA, with a preference for branched DNA species, such as Y-form DNA and Holliday junction DNA

(PubMed:23378026).[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.







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).