

Product datasheet for TL303002

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NDST4 Human shRNA Plasmid Kit (Locus ID 64579)

Product data:

Product Type: shRNA Plasmids

Product Name: NDST4 Human shRNA Plasmid Kit (Locus ID 64579)

Locus ID: 64579

Synonyms: N-HSST; N-HSST 4; NDST-4; NHSST4

Vector: pGFP-C-shLenti (TR30023)

E. coli Selection: Chloramphenicol (34 ug/ml)

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: NDST4 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 64579).

5µg purified plasmid DNA per construct

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

RefSeq: NM 022569, NM 022569.1, NM 022569.2, BC012326, BC113075, BC156696, NM 022569.3

UniProt ID: Q9H3R1

Summary: Essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-sulfation of

glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies the GlcNAc-GlcA

disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite

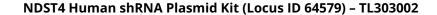
substrate for later modifications in heparin biosynthesis. Has low deacetylase activity but high

sulfotransferase activity (By similarity).[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 <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our <u>custom shRNA service</u>.







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).