

Product datasheet for SR500003

OriGene Technologies, Inc.

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Ost4 Rat siRNA Oligo Duplex (Locus ID 100188932)

Product data:

Product Type: siRNA Oligo Duplexes

Purity: HPLC purified

Quality Control: Tested by ESI-MS

Sequences: Available with shipment

Stability: One year from date of shipment when stored at -20°C.

of transfections: Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final

conc. 10 nM).

Note: Single siRNA duplex (10nmol) can be ordered.

RefSeq: <u>NM 001134690</u>, <u>NM 001134691</u>

UniProt ID: <u>B0BLS0</u>
Synonyms: Ost4

Components: Ost4 (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 100188932)

Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol

Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

Summary: Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a

defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-

pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent

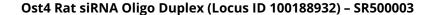
polypeptide chains, the first step in protein N-glycosylation. N-glycosylation occurs

cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum

(ER). All subunits are required for a maximal enzyme activity. Specifically involved in

maintaining stability of STT3A-containing OST complexes.[UniProtKB/Swiss-Prot Function]







Performance Guaranteed:

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).