

Product datasheet for **SR307916**

SORCS3 Human siRNA Oligo Duplex (Locus ID 22986)

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_014978</u>
UniProt ID:	<u>Q9UPU3</u>
Synonyms:	SORCS
Components:	SORCS3 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 22986) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a type-I receptor transmembrane protein that is a member of the vacuolar protein sorting 10 receptor family. Proteins of this family are defined by a vacuolar protein sorting 10 domain at the N-terminus. The N-terminal segment of this domain has a consensus motif for proprotein convertase processing, and the C-terminal segment of this domain is characterized by ten conserved cysteine residues. The vacuolar protein sorting 10 domain is followed by a leucine-rich segment, a transmembrane domain, and a short C-terminal cytoplasmic domain that interacts with adaptor molecules. The transcript is expressed at high levels in the brain, and candidate gene studies suggest that genetic variation in this gene is associated with Alzheimer's disease. Consistent with this observation, knockdown of the gene in cell culture results in an increase in amyloid precursor protein processing. [provided by RefSeq, Dec 2014]


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**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).