

Product datasheet for **SR316680**

SCUBE3 Human siRNA Oligo Duplex (Locus ID 222663)

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:	NM_001303136 , NM_152753
UniProt ID:	Q8IX30
Synonyms:	CEGF3; SSFSC2
Components:	SCUBE3 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 222663) 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 member of the signal peptide, complement subcomponents C1r/C1s, Uegf, bone morphogenetic protein-1 and epidermal growth factor-like domain containing protein family. Overexpression of this gene in human embryonic kidney cells results in secretion of a glycosylated form of the protein that forms oligomers and tethers to the cell surface. This gene is upregulated in lung cancer tumor tissue compared to healthy tissue and is associated with loss of the epithelial marker E-cadherin and with increased expression of vimentin, a mesenchymal marker. In addition, the protein encoded by this gene is a transforming growth factor beta receptor ligand, and when secreted by cancer cells, it can be cleaved in vitro to release the N-terminal epidermal growth factor-like repeat domain and the C-terminal complement subcomponents C1r/C1s domain. Both the full length protein and C-terminal fragment can bind to the transforming growth factor beta type II receptor to promote the epithelial-mesenchymal transition and tumor angiogenesis. Alternative splicing results in multiple transcript variants. [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).