

Product datasheet for SR321651

OriGene Technologies, Inc.

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S6K1 (RPS6KB1) Human siRNA Oligo Duplex (Locus ID 6198)

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 001272042, NM 001272043, NM 001272044, NM 001272060, NM 003161, NR 161462,

NM 001369670, NM 001369673, NM 001369675, NM 001369677, NM 001369678, NR 161455, NR 161456, NR 161460, NM 001369669, NM 001369671, NM 001369672, NM 001369674, NM 001369676, NM 001369679, NR 161457, NR 161458, NR 161459,

NR 161461

UniProt ID: P23443

Synonyms: p70 S6KA; p70(S6K)-alpha; p70-alpha; p70-S6K; PS6K; S6K; S6K-beta-1; S6K1; STK14A

Components: RPS6KB1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 6198)

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

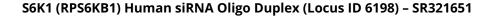
Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

Summary: This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases.

The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this

gene on chromosome 17. [provided by RefSeq, Jan 2013]







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).