

## **Product datasheet for SR305980**

## OriGene Technologies, Inc.

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## PAPSS2 Human siRNA Oligo Duplex (Locus ID 9060)

**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 001015880</u>, <u>NM 004670</u>

UniProt ID: <u>095340</u>

Synonyms: ATPSK2; BCYM4; SK2

Components: PAPSS2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 9060)

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

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

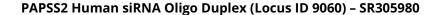
**Summary:** Sulfation is a common modification of endogenous (lipids, proteins, and carbohydrates) and

exogenous (xenobiotics and drugs) compounds. In mammals, the sulfate source is 3'-phosphoadenosine 5'-phosphosulfate (PAPS), created from ATP and inorganic sulfate. Two different tissue isoforms encoded by different genes synthesize PAPS. This gene encodes one

of the two PAPS synthetases. Defects in this gene cause the Pakistani type of

spondyloepimetaphyseal dysplasia. Two alternatively spliced transcript variants that encode

different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]





## 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).