

## Product datasheet for **SR317948**

### **KMT5A Human siRNA Oligo Duplex (Locus ID 387893)**

#### **Product data:**

|                            |  |
|----------------------------|--|
| <b>Product Type:</b>       | siRNA Oligo Duplexes   |
| <b>Purity:</b>             | HPLC purified  |
| <b>Quality Control:</b>    | Tested by ESI-MS   |
| <b>Sequences:</b>          | Available with shipment  |
| <b>Stability:</b>          | One year from date of shipment when stored at -20°C.   |
| <b># of transfections:</b> | Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).   |
| <b>Note:</b>               | Single siRNA duplex (10nmol) can be ordered.   |
| <b>RefSeq:</b>             | <a href="#">NM_001324504</a> , <a href="#">NM_001324505</a> , <a href="#">NM_001324506</a> , <a href="#">NM_020382</a> , <a href="#">NR_136910</a> , <a href="#">NM_001367386</a> , <a href="#">NM_001367388</a> , <a href="#">NM_001367389</a>  |
| <b>UniProt ID:</b>         | <a href="#">Q9NQR1</a>   |
| <b>Synonyms:</b>           | PR-Set7; PR/SET07; SET07; SET8; SETD8  |
| <b>Components:</b>         | KMT5A (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 387893)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml   |
| <b>Summary:</b>            | The protein encoded by this gene is a protein-lysine N-methyltransferase that can monomethylate Lys-20 of histone H4 to effect transcriptional repression of some genes. The encoded protein is required for cell proliferation and plays a role in chromatin condensation. [provided by RefSeq, May 2016] |



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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](mailto: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).