

## Product datasheet for **SR306500**

### HDAC9 Human siRNA Oligo Duplex (Locus ID 9734)

#### 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:	<a href="#">NM_001204144</a> , <a href="#">NM_001204145</a> , <a href="#">NM_001204146</a> , <a href="#">NM_001204147</a> , <a href="#">NM_001204148</a> , <a href="#">NM_001321868</a> , <a href="#">NM_001321869</a> , <a href="#">NM_001321870</a> , <a href="#">NM_001321871</a> , <a href="#">NM_001321872</a> , <a href="#">NM_001321873</a> , <a href="#">NM_001321874</a> , <a href="#">NM_001321875</a> , <a href="#">NM_001321876</a> , <a href="#">NM_001321877</a> , <a href="#">NM_001321878</a> , <a href="#">NM_001321879</a> , <a href="#">NM_001321884</a> , <a href="#">NM_001321885</a> , <a href="#">NM_001321886</a> , <a href="#">NM_001321887</a> , <a href="#">NM_001321888</a> , <a href="#">NM_001321889</a> , <a href="#">NM_001321890</a> , <a href="#">NM_001321893</a> , <a href="#">NM_001321894</a> , <a href="#">NM_001321895</a> , <a href="#">NM_001321896</a> , <a href="#">NM_001321897</a> , <a href="#">NM_001321898</a> , <a href="#">NM_001321899</a> , <a href="#">NM_001321900</a> , <a href="#">NM_001321901</a> , <a href="#">NM_001321902</a> , <a href="#">NM_014707</a> , <a href="#">NM_058176</a> , <a href="#">NM_058177</a> , <a href="#">NM_178423</a> , <a href="#">NM_178425</a> , <a href="#">NR_135835</a> , <a href="#">NM_001321891</a>
UniProt ID:	<a href="#">Q9UKV0</a>
Synonyms:	HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR
Components:	HDAC9 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 9734) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml



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**Summary:**

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the *Xenopus* and mouse *MITR* genes. The *MITR* protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [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](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).