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Product datasheet for SR500071

Nit1 Rat siRNA Oligo Duplex (Locus ID 289222)

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_001082580, NM_182668
UniProt ID:	Q7TQ94
Components:	Nit1 (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 289222) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene is a member of the nitrilase enzyme superfamily. Nitrilases are nonpeptidic C-N hydrolases. In mammals, nitrilases form small molecule C-N bonds such as acid amides, carbamates and ureas. Nit1-deficient mice display phenotypes including increased cell proliferation, resistance to DNA damage, and an increased number of N-nitrosomethylbenzylamine-induced murine forestomach tumors, suggesting a tumor suppressor function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]

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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).

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