

Product datasheet for **SR310798**

Protector 1 (PRR5) Human siRNA Oligo Duplex (Locus ID 55615)

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_001017528 , NM_001017529 , NM_001017530 , NM_001198721 , NM_015366 , NM_181333
UniProt ID:	P85299
Synonyms:	FLJ20185k; PP610; PROTOR-1; PROTOR1
Components:	PRR5 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 55615) 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 protein with a proline-rich domain. This gene is located in a region of chromosome 22 reported to contain a tumor suppressor gene that may be involved in breast and colorectal tumorigenesis. The protein is a component of the mammalian target of rapamycin complex 2 (mTORC2), and it regulates platelet-derived growth factor (PDGF) receptor beta expression and PDGF signaling to Akt and S6K1. Alternative splicing and the use of alternative promoters results in transcripts encoding different isoforms. Read-through transcripts from this gene into the downstream Rho GTPase activating protein 8 (ARHGAP8) gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene. [provided by RefSeq, Nov 2010]


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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).