

Product datasheet for **SR323355**

IL1RAPL1 Human siRNA Oligo Duplex (Locus ID 11141)

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_014271
UniProt ID:	Q9NZN1
Synonyms:	IL-1-RAPL-1; IL-1RAPL-1; IL1R8; IL1RAPL; IL1RAPL-1; MRX10; MRX21; MRX34; OPHN4; TIGIRR-2
Components:	IL1RAPL1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 11141) 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 interleukin 1 receptor family and is similar to the interleukin 1 accessory proteins. This protein has an N-terminal signal peptide, three extracellular immunoglobulin Ig-like domains, a transmembrane domain, an intracellular Toll/IL-1R domain, and a long C-terminal tail which interacts with multiple signalling molecules. This gene is located at a region on chromosome X that is associated with a non-syndromic form of X-linked intellectual disability. Deletions and mutations in this gene were found in patients with intellectual disability. This gene is expressed at a high level in post-natal brain structures involved in the hippocampal memory system, which suggests a specialized role in the physiological processes underlying memory and learning abilities, and plays a role in synapse formation and stabilization. [provided by RefSeq, Jul 2017]



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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).