

## Product datasheet for **SR308075**

### **ANKRD15 (KANK1) Human siRNA Oligo Duplex (Locus ID 23189)**

#### **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_001256876</a> , <a href="#">NM_001256877</a> , <a href="#">NM_015158</a> , <a href="#">NM_153186</a> , <a href="#">NM_001354331</a> , <a href="#">NM_001354332</a> , <a href="#">NM_001354333</a> , <a href="#">NM_001354334</a> , <a href="#">NM_001354335</a> , <a href="#">NM_001354336</a> , <a href="#">NM_001354337</a> , <a href="#">NM_001354338</a> , <a href="#">NM_001354339</a> , <a href="#">NM_001354340</a> , <a href="#">NM_001354341</a> , <a href="#">NM_001354342</a> , <a href="#">NM_001354343</a> , <a href="#">NM_001354344</a> , <a href="#">NR_148869</a>
UniProt ID:	<a href="#">Q14678</a>
Synonyms:	ANKRD15; CPSQ2; KANK
Components:	KANK1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 23189) 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 belongs to the Kank family of proteins, which contain multiple ankyrin repeat domains. This family member functions in cytoskeleton formation by regulating actin polymerization. This gene is a candidate tumor suppressor for renal cell carcinoma. Mutations in this gene cause cerebral palsy spastic quadriplegic type 2, a central nervous system development disorder. A t(5;9) translocation results in fusion of the platelet-derived growth factor receptor beta gene (PDGFRB) on chromosome 5 with this gene in a myeloproliferative neoplasm featuring severe thrombocytopenia. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 20. [provided by RefSeq, Dec 2014]



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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).