

Product datasheet for **SR300625**

KRIT1 Human siRNA Oligo Duplex (Locus ID 889)

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_001013406 , NM_004912 , NM_194454 , NM_194455 , NM_194456 , NM_001350669 , NM_001350670 , NM_001350671 , NM_001350672 , NM_001350673 , NM_001350674 , NM_001350675 , NM_001350676 , NM_001350677 , NM_001350678 , NM_001350679 , NM_001350680 , NM_001350681 , NM_001350682 , NM_001350683 , NM_001350684 , NM_001350685 , NM_001350686 , NM_001350687 , NM_001350688 , NM_001350689 , NM_001350690 , NM_001350691 , NM_001350692 , NM_001350693 , NM_001350694 , NM_001350695 , NM_001350696 , NM_001350697
UniProt ID:	O00522
Synonyms:	CAM; CCM1
Components:	KRIT1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 889) 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 containing four ankyrin repeats, a band 4.1/ezrin/radixin/moesin (FERM) domain, and multiple NPXY sequences. The encoded protein is localized in the nucleus and cytoplasm. It binds to integrin cytoplasmic domain-associated protein-1 alpha (ICAP1alpha), and plays a critical role in beta1-integrin-mediated cell proliferation. It associates with junction proteins and RAS-related protein 1A (Rap1A), which requires the encoded protein for maintaining the integrity of endothelial junctions. It is also a microtubule-associated protein and may play a role in microtubule targeting. Mutations in this gene result in cerebral cavernous malformations. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2009]



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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).