

Product datasheet for **SR313071**

KAZALD1 Human siRNA Oligo Duplex (Locus ID 81621)

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_001319303 , NM_030929 , NR_135067 , NR_135068
UniProt ID:	Q96I82
Synonyms:	BONO1; FKSG28; FKSG40; IGFBP-rP10
Components:	KAZALD1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 81621) 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 secreted member of the insulin growth factor-binding protein (IGFBP) superfamily. The protein contains an insulin growth factor-binding domain in its N-terminal region, a Kazal-type serine protease inhibitor and follistatin-like domain in its central region, and an immunoglobulin-like domain in its C-terminal region. Studies of the mouse ortholog suggest that this protein may function in bone development and bone regeneration. This gene is hypomethylated and over-expressed in high-grade glioma compared to low-grade glioma, and thus the hypomethylated gene may be associated with cell proliferation and the shorter survival of patients with high-grade glioma. It is also one of numerous genes found to be deleted in a novel 5.54 Mb interstitial deletion, which is associated with multiple congenital anomalies. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]



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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).