

Product datasheet for **SR307790**

IKZF3 Human siRNA Oligo Duplex (Locus ID 22806)

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:	<u>NM_001257408</u> , <u>NM_001257409</u> , <u>NM_001257410</u> , <u>NM_001257411</u> , <u>NM_001257412</u> , <u>NM_001257413</u> , <u>NM_001257414</u> , <u>NM_001284514</u> , <u>NM_001284515</u> , <u>NM_001284516</u> , <u>NM_012481</u> , <u>NM_183228</u> , <u>NM_183229</u> , <u>NM_183230</u> , <u>NM_183231</u> , <u>NM_183232</u> , <u>NR_047559</u> , <u>NR_047560</u> , <u>NR_047561</u>
UniProt ID:	<u>Q9UKT9</u>
Synonyms:	AIO; AIOLOS; ZNFN1A3
Components:	IKZF3 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 22806) 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 member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This gene product is a transcription factor that is important in the regulation of B lymphocyte proliferation and differentiation. Both Ikaros and Aiolos can participate in chromatin remodeling. Regulation of gene expression in B lymphocytes by Aiolos is complex as it appears to require the sequential formation of Ikaros homodimers, Ikaros/Aiolos heterodimers, and Aiolos homodimers. Several alternative transcripts encoding different isoforms have been described, as well as some non-protein coding variants. [provided by RefSeq, Apr 2012]



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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).