

Product datasheet for **TL300029**

IKZF3 Human shRNA Plasmid Kit (Locus ID 22806)

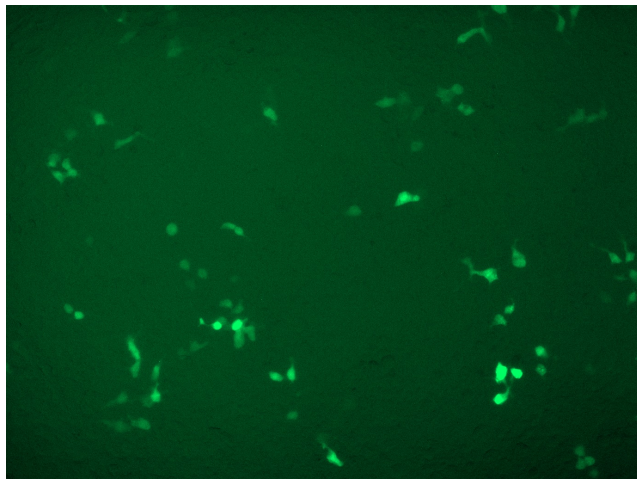
Product data:

Product Type:	shRNA Plasmids
Product Name:	IKZF3 Human shRNA Plasmid Kit (Locus ID 22806)
Locus ID:	22806
Synonyms:	AIO; AIOLOS; ZNFN1A3
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	IKZF3 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 22806). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001257408 , NM_001257409 , NM_001257410 , NM_001257411 , NM_001257412 , NM_001257413 , NM_001257414 , NM_001284514 , NM_001284515 , NM_001284516 , NM_012481 , NM_183228 , NM_183229 , NM_183230 , NM_183231 , NM_183232 , NR_047559 , NR_047560 , NR_047561 , NM_012481.1 , NM_012481.2 , NM_012481.3 , NM_012481.4 , NM_183230.1 , NM_183230.2 , NM_183228.1 , NM_183228.2 , NM_183229.1 , NM_183229.2 , NM_183231.1 , NM_183232.1 , NM_183232.2 , NM_001257413.1 , NM_001257412.1 , NM_001257411.1 , NM_001257410.1 , NM_001257414.1 , NM_001257409.1 , NM_001257408.1 , NM_001284514.1 , NM_001284515.1 , NM_001284516.1 , BC032707 , BC032707.1 , NM_183230.3 , NM_183232.3 , NM_001257412.2 , NM_001257410.2 , NM_012481.5 , NM_001284515.2 , NM_001257408.2 , NM_001257409.2 , NM_183229.3 , NM_001257413.2 , NM_183228.3 , NM_183231.3 , NM_001257411.2 , NM_001257414.2
UniProt ID:	Q9UKT9

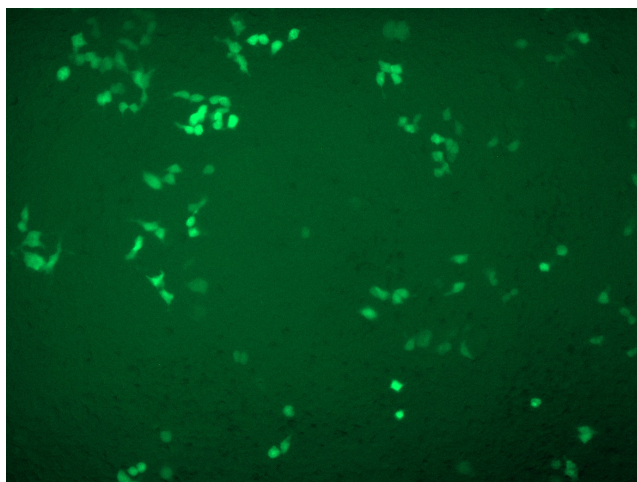


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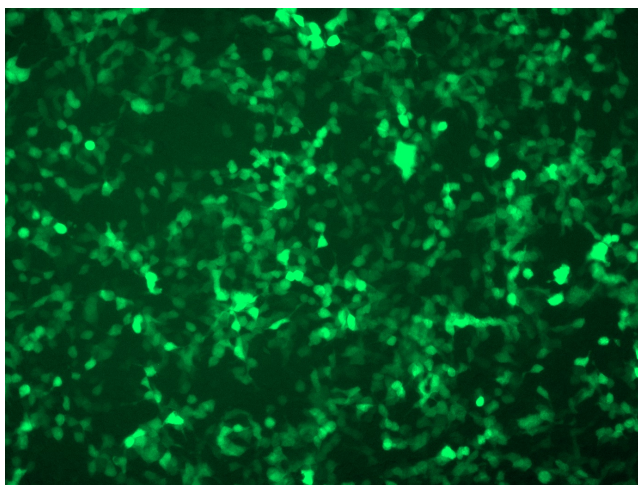
Summary:	<p>This gene encodes a member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This gene product is a transcription factor that 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]</p>
shRNA Design:	<p>These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.</p>
Performance Guaranteed:	<p>OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.</p> <p>For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, 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 shRNA control (Western Blot data preferred).</p>

Product images:

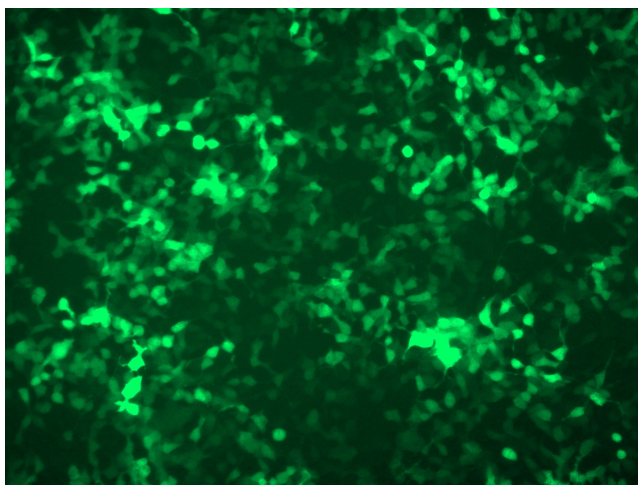
GFP signal was observed under microscope at 48 hours after transduction of TL300029A virus into HEK293 cells. TL300029A virus was prepared using lenti-shRNA TL300029A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL300029B virus into HEK293 cells. TL300029B virus was prepared using lenti-shRNA TL300029B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL300029C] virus into HEK293 cells. [TL300029C] virus was prepared using lenti-shRNA [TL300029C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL300029D] virus into HEK293 cells. [TL300029D] virus was prepared using lenti-shRNA [TL300029D] and [TR30037] packaging kit.