

Product datasheet for **RG237008**

IKZF3 (NM_001284514) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IKZF3 (NM_001284514) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IKZF3
Synonyms:	AIO; AIOLOS; ZNFN1A3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237008 representing NM_001284514. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAAGTAAAAGAGCTCTCGTACTGGACAGATTAGCAAGCAATGTGGCAAACGAAAAAGCTCAATG
CCTCAGAAATTCATTGGTGAGAAGCGCCACTGCTTTGATGTCAACTATAATTCAAGTTACATGTATGAG
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TCTCGGGCCCGCAATGGGATGCCACTTCTGAAGGAGGTTCCCGCTCTTACGAACTCCTCAAGCCCCCG
CCCATCTGCCAAGAGACTCCGTCAAAGTGATCAACAAGGAAGGGGAGGTGATGGATGTGTATCGGTGT
GACCACTGCCCGCTCCTCTTCTGGACTATGTGATGTTTACGATTCACATGGGCTGCCACGGCTTCCGT
GACCCTTTCGAGTGTAACATGTGTGGATATCGAAGCCATGATCGGTATGAGTTCTCGTCTCACATAGCC
AGAGGAGAACACAGAGCCCTGCTGAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237008
 Blue=ORF Red=Cloning site Green=Tag(s)

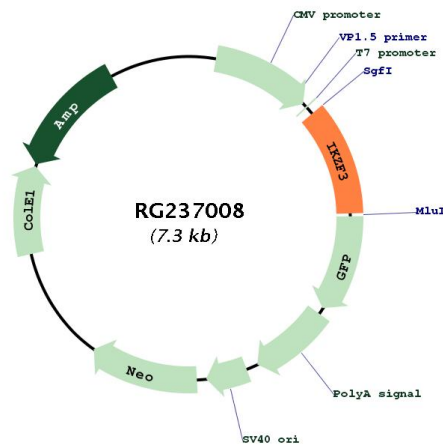
MGSERALVLDRLASNAKRKSSMPQKF IGEKRHCFDVNYNSSYMYEKESELIQTRMMDQAINNAISYLG
 AEALRPLVQTPAPTSEMVPVISSMPIALTRAEMNGAPQELEKKSIIHLPEKSVPSERGLSPNNSGHD
 STDTDSNHEERQNHIIYQQNHMVL SRANGMPLLKEVPRSYELLKPPPICPRDSVKVINKEGEVMDVYRC
 DHCRVLF LDYVMFTIHMGC HGRDPFECNMCGYRSHDRYEFSSHIARGEHRALLK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284514

ORF Size:	786 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
RefSeq:	NM_001284514.1 , NP_001271443.1
RefSeq Size:	9812 bp
RefSeq ORF:	789 bp
Locus ID:	22806
UniProt ID:	Q9UKT9
Cytogenetics:	17q12-q21.1
MW:	30.4 kDa
Gene 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]