

## Product datasheet for **RC232381**

### **IKZF3 (NM\_001257413) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IKZF3 (NM\_001257413) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IKZF3  
**Synonyms:** AIO; AIOLOS; ZNFN1A3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232381 representing NM\_001257413  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAAGATATACAAACAAATGCGGAAGTAAAAGCACTCAGGAGCAGTCTGTGCCCGCAGAAAGTGCAG  
CGGTTTTGAATGACTACAGTTTAAACCAATCTCATGAAATGGAAAATGTGGACAGTGGAGAAGGCCACG  
CAATGAAGATGAAGACATAGGAGGTGAGAAGCGCCACTGCTTTGATGTCAACTATAATTCAAGTTACATG  
TATGAGAAAGAGAGTGAGCTCATACAGACCCGCATGATGGACCAAGCCATCAATAACGCCATCAGCTATC  
TTGGCGCCGAAGCCCTGCGCCCTTGGTCCAGACACCGCCTGCTCCCACCTCGGAGATGGTTCAGTTAT  
CAGCAGCATGTATCCCATAGCCCTCACCCGGGCTGAGATGTCAAACGGTGGCCCTCAAGAGCTGGAAAAG  
AAAAGCATCCACCTTCCAGAGAAGAGCGTGCCTTCTGAGAGAGGCCTCTCTCCAACAATAGTGGCCACG  
ACTCCACGGACTGACAGCAACCATGAAGAACGCCAGAATCACATCTATCAGCAAAATCACATGGTCTCT  
GTCTCGGGCCCGCAATGGGATGCCACTTCTGAAGGAGTTCCCGCTCTTACGAACCTCAAGCCCCCG  
CCCATCTGCCAAGAGACTCCGTCAAAGTGATCAACAAGGAAGGGGAGGTGATGGATGTGTATCGGTGTG  
ACCACTGCCGCTCTCTCTGGACTATGTGATGTTACGATTACATGGGCTGCCACGGCTTCCGTGA  
CCTTTTGAGTGTAAATGTGTGATATCGAAGCCATGATCGGTATGAGTTCTCGTCTCATATAGCCAGA  
GGAGAACACAGAGCCCTGCTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232381 representing NM\_001257413  
Red=Cloning site Green=Tags(s)

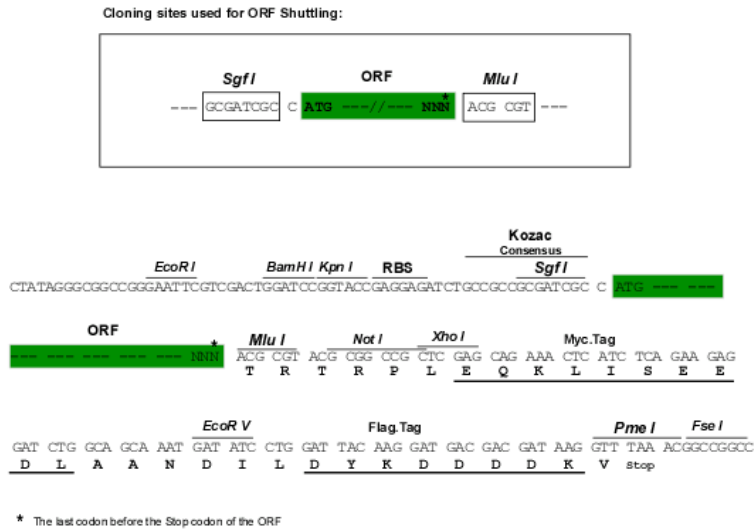
MEDIQTNAELKSTQEVSVAESA AVLNDYSLTKSHEMENVDSGEGPANEDEDIGGEKRHCFD VNYNSSYM  
 YEKESELIQTRMDQAINNAISYLGAELRPLVQTPAPTSEMVPVISSMYPIALTRAEMSNGAPQELEK  
 KSIHLPEKSVPSERGLSPNNSGHDSTDTDSNHEERQNHIIYQNHMVL SRARNGMPLLKEVPRSYELLKPP  
 PICPRDSVKVINKEGEVMDVYRCDHCRVFLDYVMFTIHMGGCHGFRDPFCNMCGYRSHDRYEFSSHIAR  
 GEHRALLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

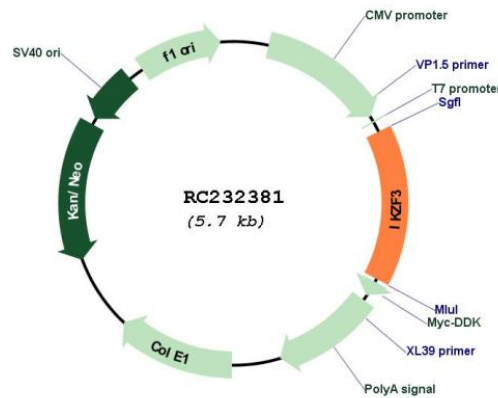
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001257413

**ORF Size:** 864 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001257413.2</a>
<b>RefSeq Size:</b>	9023 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	22806
<b>UniProt ID:</b>	<a href="#">Q9UKT9</a>
<b>Cytogenetics:</b>	17q12-q21.1
<b>MW:</b>	33.1 kDa
<b>Gene Summary:</b>	<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>