

## Product datasheet for **SC318006**

### ZNFN1A4 (IKZF4) (NM\_022465) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNFN1A4 (IKZF4) (NM_022465) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNFN1A4
Synonyms:	EOS; ZNFN1A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC318006 representing NM\_022465.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCATACACCACCCGCACTCCCTCGCCGTTTCCAAGCGGGCGGCCGCTTCGCACCCCAGGGTCTCAC
CGGCAAGGGAAGGATAATCTGGAGAGGGATCCCTCAGGAGGGTGTGTTCCGGATTTCTTGCCTCAGGCC
CAAGACTCCAACCATTTTATAATGGAATCTTTATTTTGTGAAAGTAGCGGGGACTCATCTCTGGAGAAG
GAGTTCCTCGGGGCCCCAGTGGGGCCCTCGGTGAGCACCCCAACAGCCAGCACTCTTCTCTAGCCGC
TCACTCAGTGCCAACTCCATCAAGGTGGAGATGTACAGCGATGAGGAGTCAAGCAGACTGCTGGGGCCA
GATGAGCGGCTCTGGAAAAGGACGACAGCGTATTGTGGAAGATTATTGTCTGAGCCCTGGGCTAC
TGTGATGGGAGTGGGCCAGAGCCTCACTCCCTGGGGGCATCCGGCTGCCAATGGCAAGCTCAAGTGT
GACGTCTCGGCATGGTCTGTATTGGACCAACGTGCTCATGGTGCACAAGCGCAGTCACTGGTGAA
AGGCCCTTCCATTGCAACCACTGTGGTGCCTCCTCACCCAGAAGGGAACTGCTGCGCCACATCAAG
CTGCACCTGCGGAGAAGCCCTTAAATGTCCCTTCTGCAACTATGCCTGCCGCCGGCGTATGCACCTC
ACTGGTCACTCCGCACACACTCAGTCTCTCTCCACAGTGGGCAAGCCCTACAAGTGAACACTACTGT
GGCCGGAGCTACAACAGCAGAGTACCCTGGAGGAGCACAAAGGAGCGGTGCCATAACTACCTACAGAGT
CTCAGCACTGAAGCCCAAGCTTTGGCTGGCCAACCAGGTGACGAAATACGTGACCTGGAGATGGTGCCA
GACTCCATGCTGCACTCATCCTCTGAGCGGCCAACTTTTCATCGATCGTCTGGCCAATAGCCTCACAAA
CGCAAGCGTTCACACCCCAAGTTTGTAGGCGAAAAGCAGATGCGCTTCAGCCTCTCAGACCTCCCC
TATGATGTGAACCTCGGGTGGCTATGAAAAGGATGTGGAGTTGGTGGCACACCACAGCCTAGAGCCTGGC
TTTGGAAAGTCCCTGGCCTTTGTGGGTGCAGAGCATCTGCGTCCCTCCGCTTCCACCCACCAATTGC
ATCTCAGAACTCACGCTGTCACTAGTCTGTCTACAGCCAGATGCAGCCCTCCCTGGTGCAGTGGAG
CTTCCAGGATCCCGAGAAGCAGGTGAGGGACCTGAGGACCTGGCTGATGGAGGTCCCTCCCTACCGG
CCCCGAGGCCCTGACTGACCTGGGGCATCCCCAGCAATGGCTGCCAGGACTCCACAGACACAGAA
AGCAACCACGAAGATCGGGTTCGGGGGTGGTATCCCTCCCTCAGGGTCCCCACCCACCCAGCCACCTCCC
ACCATTGTGGTGGGCCGGCACAGTCTGCCTACGCCAAAGAGGACCCCAAGCCACAGGAGGGTTATTG
CGGGGCACCCAGGCCCTCCAAGGAAGTCTCGGGTGGTGGGCGAGAGTGGTGAAGCCGTGAAGGCC
TTCAAGTGTGAGCACTGCCGTATCCTCTCCTGGACCAGTCACTGTTCACTATCCACATGGGCTGCCAT
GGCTTCAGAGACCCTTTGAGTGAACATCTGTGGTTATCACAGCCAGGACCGGTACGAATCTCTTCC
CACATTGTCCGGGGGAGCATAAGGTGGGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_022465
- Insert Size:** 1758 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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).

<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_022465.3</a>
<b>RefSeq Size:</b>	5506 bp
<b>RefSeq ORF:</b>	1758 bp
<b>Locus ID:</b>	64375
<b>UniProt ID:</b>	<a href="#">Q9H2S9</a>
<b>Cytogenetics:</b>	12q13.2
<b>Domains:</b>	zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	64.1 kDa
<b>Gene Summary:</b>	<p>Members of the Ikaros (ZNFN1A1; MIM 603023) family of transcription factors, which includes Eos, are expressed in lymphocytes and are implicated in the control of lymphoid development.[supplied by OMIM, Jul 2002]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variants 1 and 2 both encode the same isoform (a).</p>