

Product datasheet for **SC112484**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_022465, the custom clone sequence may differ by one or more nucleotides

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ATGCATACACCACCCGCACTCCCTCGCCGTTTCCAAGGCGGGCCGCGTTTCACCCAGGGTCTCACC
GGCAAGGGAAGGATAATCTGGAGAGGGATCCCTCAGGAGGGTGTGTTCCGGATTTCTTCCCTCAGGCCCA
AGACTCCAACCATTTTATAATGGAATCTTTATTTTGTGAAAGTAGCGGGGACTCATCTCGGAGAAGGAG
TTCTCGGGGCCCAAGTGGGGCCCTCGGTGAGCACCCCAACAGCCAGCACTCTTCTCCTAGCCGCTCAC
TCAGTGCCAACCTCCATCAAGGTGGAGATGTACAGCGATGAGGAGTCAAGCAGACTGCTGGGGCCAGATGA
GCGGCTCTGGAAAAGGACGACAGCGTGATTGTGGAAGATTCAATTGTCTGAGCCCCTGGGCTACTGTGAT
GGGAGTGGGCCAGAGCCTCACTCCCCTGGGGGCATCCGGCTGCCAATGGCAAGCTCAAGTGTGACGTCT
GCGGCATGGTCTGTATTGGACCCAACGTGCTCATGGTGCACAAGCGCAGTCACACTGGTAAAGGCCCTT
CCATTGCAACCAGTGTGGTGCCTCCTTACCCAGAAGGGGAACCTGCTGCGCCACATCAAGCTGCACTCT
GGGAGAAGCCCTTTAAATGTCCCTTCTGCAACTATGCCTGCCGCCGCGGTGATGCACTCACTGGTCACC
TCCGCACACACTCAGTCTCCTCTCCACAGTGGGCAAGCCCTACAAGTGAAGTACTGTGGCCGGAGCTA
CAAACAGCAGAGTACCCTGGAGGAGCACAAAGAGCGGTGCCATAACTACCTACAGAGTCTCAGCACTGAA
GCCAAGCTTTGGCTGGCCAACCAAGGTGACGAAATACGTGACCTGGAGATGGTGCCAGACTCCATGCTGC
ACTCATCTCTGAGCGGCCAACTTTTCATCGATCGTCTGGCCAATAGCCTCACAAACGCAAGCGTTCCAC
ACCCAGAAAGTTGTAGGCGAAAAGCAGATGCGCTTCAGCCTCTCAGACCTCCCCATGATGTGAACTCG
GGTGGCTATGAAAAGGATGTGGAGTTGGTGGCACACCACAGCCTAGAGCCTGGCTTTGGAAGTCCCTGG
CCTTTGTGGGTGCAGAGCATCTGCGTCCCTCCGCCTCCACCCCAATTGCATCTCAGAACTCACGCC
TGTCATCAGCTCTGTCTACACCCAGATGCAGCCCTCCCTGGTGCAGTGGAGCTTCCAGGATCCCAGAA
GCAGGTGAGGACCTGAGGACCTGGCTGATGGAGTCCCTCTCTACCGGCCCGAGGCCCTGACTG
ACCCTGGGGCATCCCCAGCAATGGCTGCCAGGACTCCACAGACACAGAAAGCAACCAGAAAGATCGGGT
TGCGGGGTGGTATCCCTCCCTCAGGGTCCCCACCCAGCCACCTCCCACATTGTGGTGGGCCGGCAC
AGTCTGCCTACGCCAAAGAGGACCCCAAGCCACAGGAGGGTTATTGCGGGGCACCCAGGCCCTCCA
AGGAAGTGCTTCGGGTGGTGGGCGAGAGTGGTGAAGCCTTCAAGTGTGAGCACTGCCGTAT
CCTCTTCTGGACCAGTCATGTTCACTATCCACATGGGCTGCCATGGCTTCCAGAGACCTTTTGTAGTGC
AACATCTGTGGTTATCACAGCCAGGACCGGTACGAATTCTTCCACATTGTCCGGGGGAGCATAAAG
TGGGCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022465 unedited

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GACTCACTATAGGGCGGCCGCGATTTCGACACGAGCTCTCCCCAACACTGTCCCCTCTCC
CCAACCCCTCACAGCCTGCGCGCGCGGAGACACCTCAGAATCTTTAAAAATGGACAT
AGAAGACTGCAATGGCCGCTCCTATGTGTCTGGTAGCGGGGACTCATCTCTGGAGAAGGA
GTTCTCGGGGCCCAAGTGGGGCCCTCGGTGAGCACCCCAACAGCCAGCACTCTTCTCC
TAGCCGCTCACTCAGTGCCAACCTCCATCAAGGTGGAGATGTACAGCGATGAGGAGTCAAG
CAGACTGTGGGGCCAGATGAGCGGCTCCTGGAAAAGGACGACAGCGTGATTGTGGAAGA
TTCATTGTCTGAGCCCCTGGNCTACTGTGATGGGAGTGGCCAGAGCCTCACTCCCCTG
GGGGCATCCGGCTGCCAATGGCAAGCTCAAGTGTGACGTCTGCGGCATGGTCTGTATTG
GACCCAACGTGCTCATGGTGCACAAGCGCAGTCACACTGGTAAAGGCCCTTCCATTGCA
ACCAGTGTGGTGCCTCCTTACCCAGAAGGGGAACCTGCTGCGCCACATCAAGCTGCACT
CTGGGGAGAAGCCCTTTAAATGTCCCTTCTGCAACTATGCCTGCCGCCGCGGTGATGCAC
TCACTGGTCACCTCCGCACACACTCAGTCTCCTCTCCACAGTGGGCAAGCCCTACAAGT
GTAAGTACTGTGNCCGGAGCTACCAACAGCAGAGTACCCTGNGAGGAGCACAGGGAGCG
GTGCCATAACTACCTACAGAGTCTCAGCACTGAAGCCCAAGCTTTGGCTGGNCAACCANG
TGACGAAATACGTGACCTGGAGATGGTGCCN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_022465 unedited NNNNTTGTAGCTTGGCCGCGCCGCATCTANANANAANAGACTAGTCTTCGAGTTTTTTTTT TTTTTTTTTTAAACATAGAAAAACAGCCTTTGGTTTGAATCTCAAGGAAGCAGAGAGTGGG ATGGCTGTGGCCTTGGGCAGAAAACCTCTGTAGAAAGAAACCTCCACTTGCAGTGGAGTT GTATCTCCTTCTGCCCTTCTCACTAATCCTAGTTACTCAAATAGCCAAGGGTCTCTGC AGTAGCCAGCAGTCCCCCTCTACCCTGTGTCTGGGAGCTGAGTGTAGAAGGGGTAGT AAAGGAAGACCCAGTTTCACTTGTACCCATCCAGTCTTGTCTGGAACAAGGGTGGATGG GGTGAAGGGCACGTGCCGTGCTCATGCTGGGATAATTTTTGGTTATACTGAAAATTAGA AGAGAGAAAAGAGATACCCGTTTCTCCCTGCCACTGATCCTAAGAACAGGGCCCAGGAGC CCGGGAATGAGAGGGTGAATCCTGCTGGGAGGGAGCAGCAGAAGGCAGCATGACTGAGGG GCTGAAACAACCCCTTGTATCAGGCAGCAACCCACTAGTTTCTCATAGGATGGGGACTG AAGGAGCCCTGAGAGCCTAGGAAGGTCACTATAGTGAAGAAGTTTGAAGGTGGAGGAG AAAGAGAAGAATTTTACCCACTCCTTTCCCATGCCCTGGTTCCCAATTAGGCACCTGTG GCTCCCAATCTGTGAGAGACAGAGGGTTGCAGACCTAGCCTTGGCCCTGAGATATAAAA TGGGGCACTCCAAGAGAGAAAAGCCCACTAATANNACCGTAGTTGAAGGACTANACGTGT GAGGGGTAGTCAGGGGAAGGCCAGATCTCACTCCTAAAGGGGATCCTGATGTAGGCTT GAGAC
Restriction Sites:	NotI-NotI
ACCN:	NM_022465
Insert Size:	3410 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).
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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_022465.1</u> , <u>NP_071910.1</u>
RefSeq Size:	5506 bp
RefSeq ORF:	1452 bp
Locus ID:	64375
UniProt ID:	<u>Q9H2S9</u>
Cytogenetics:	12q13.2
Domains:	zf-C2H2

Protein Families: Transcription Factors

Gene Summary: 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]

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).