

## Product datasheet for **SC122830**

### ThPok (ZBTB7B) (NM\_015872) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ThPok (ZBTB7B) (NM_015872) Human Untagged Clone
Tag:	Tag Free
Symbol:	ThPok
Synonyms:	c-Krox; DKFZp686G01254; hcKrox; THPOK; ZBTB15; ZFP67; ZNF857B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_015872 edited
AGCTGGAGGACAGGTGAGACAGCAGGACAGGACCGGAGCAGGGCCCAAGCCCCGGGCC
TGGTGGGGGACGCGCTTCTCCACACTGTGAGCCTCAGCAGCTCCAGCCAGCGGACCCG
ACGGCTGAGAGGAGAAGATGGGGAGCCCCGAGGATGACCTGATTGGGATTCCATTCGCCG
ACCACAGCAGTGAGCTCCTGAGCTGCCTCAATGAGCAGCGCCAGCTGGGCCACCTATGTG
ACCTCACCATCCGGACGCAGGGCCTTGAATACCGCACCCACAGGGCTGTGCTAGCTGCCT
GTAGCCACTACTTCAAGAAGCTTTTCACTGAGGGCGGTGGCGGAGCTGTGCTAGGGGCGG
GGGGTAGCGGGACGGCCACTGGGGGAGCAGGGGCGGTGTGTGTGAGCTGGACTTTGTAG
GGCCAGAGGCACTAGGCGCCCTCCTGAATTTGCCTATACAGCCACACTGACCACCAGCA
GCGCCAACATGCCAGCTGTGCTCCAGGCTGCCCGCCTGCTGGAGATTCCGTGTGTCATCG
CTGCTTGCATGGAGATTCTGCAGGGCAGTGGGCTAGAAGCTCCCAGCCCGGACGAGGATG
ACTGTGAGCGAGCCCGCCAGTATCTGGAGGCTTTGCCACAGCCACGGCCTCTGGAGTTC
CCAATGGTGAAGACAGTCTCCACAGGTGCCCTCCCACCACCTCCGCCACCGCCACCTC
GGCCTGTTGCCCGCCGACGCCGAAGCCCCGAAAGCTTCTGCAAACCAAGGGGGCCA
GAGCAAACCACCTAGTCCCTGAGGTGCCACAGTGCCCGCCCATCCCTTGACCTATGAGG
AGGAGGAGGTGGCGGGCAGAGTGGGCAGAGTGGGGGAGTGGGCGGGGACAGCTACA
GCCCTCCACAGGAAGTCCCTCCCTCCTGAGGGTCCCCAGAGCTACGAACCTATGAGG
GTGAGGAAGAAGAAGAGGAGCTGGTATATCCCCAGCCTATGGGCTGGCGCAGGGTGGCG
GGCCCCGCTGTCCCAGAGGAGCTGGGCTCAGATGAGGATGCCATCGATCCTGACCTGA
TGGCCTACCTAAGCTCCCTGCACCAGGACAACCTGGCACCAGGCTGGACAGCCAAGACA
AGCTGGTGCCAAACGCCGCTCCCAGATGCCTCAGGAGTGCCTGTCTGCCACAAGATCA
CCTGCGAGGTCTGCGGTGTTGATTACCAGGAACGACAAGCTGAAGATCCACATGCGGA
AGCACACGGGAGAGCGCCCTACTCATGCCCAGCTGCCAGCCCGCTTCTGACAGCT
ACGACCTCAAGAACCACATGCACCTGCACACAGGGGACCGCCCTATGAGTGCCACCTGT
GCCACAAGGCTTTCGCCAAGGAGGACCCTGCAGCGCCACCTCAAAGGCCAGAAGTGC
TGGAGGTGCGCACCCGACGGCGCCGCAAGGACGATGCACCACCCCACTACCCGCCACCT
CTACCGCTGCTGCATCCCCGCTGGCCTCGACCTCTCCAATGGCCACCTGGACACCTTCC
GCCTCTCTAGCTCGATTCTGGGAGCAGTCAGCCCCCACTGGGCCCCGGTCTCTACCC
CAGGGCCCCCTGATGACGATGAGGAGGAAGGGGCACCCACCACACCCAGGCTGAAGGTG
CCATGGAGTCTCTTAAAGAGGGACGAGGGCCAGACTGAAGCAGCACAAGGCCGGGGACA
CCCATGCCAAGCAGTGGGAGCACGCAGGACAGACACAGCAGGGGTCTGGGGCACGGAGCC
TTGCTGGCATCAGCATCAGCCCTTCTCCAGAGCCCTCATTCCAATTCCAAGCTAAGAA
GGTATTGGGGCAGAGGCTCCCCAAATTGGGGTGATCCCCCAAGGAGTGATACATATATTG
TGATATATTTACAGCTGATTGTAAGTGGGGTCCCTGTCCCCAGCTGCTCCTGGGGA
GTAGAAGCAATAATGATTTCTAATTTGTGGGTCCCAAAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_015872 unedited GGGGTTCAGATTTTGTAAATACGACTTACTATAGGGCGGGCGCATACCATCCTACACGAGG AGCTGGAGGACAGGTGAGACAGCAGGACAGGACCGGAGCAGGGCCCCAAGCCCCGGGCC TGGTGGGGGACGCGCTTCTTCCACACTGTGAGCCTCAGCAGCTCCAGCCAGCGGACCCG ACGGCTGAGAGGAGAAGATGGGGAGCCCCGAGGATGACCTGATTGGGATTCCATTCGCG ACCACAGCAGTGAGCTCCTGAGCTGCCTCAATGAGCAGCGCCAGCTGGGCCACCTATGTG ACCTCACCATCCGGACGACAGGGCCTTGAATACCGCACCCACAGGGCTGTGCTAGCTGCCT GTAGCCACTACTTCAAGAAGCTTTTCACTGAGGGCGGTGGCGGAGCTGTATGGGGGCCG GGGGTAGCGGGACGGCCACTGGGGGAGCAGGGGCCGTTGTGTGAGCTGGACTTTGTAG GGCCAGAGGCACTAGGCGCCCTCCTTGAATTTGCCTATACAGCCACACTGACCACAGCA GCGCCAACATGCCAGCTGTGCTCCAGGCTGCCCGCTGCTGGAGATTCCGTGTGCATCG CTGCTTGCATGGAGATTCTGCAGGGCAGTGGGCTAGAAGCTCCCAGCCCCGACGAGGATG ACTGTGAGCGAGCCCCCAGTATCTGGAGGCCCTTCCACAGCCACGGCCTCTGGAGTTC CCAATGGTGAAGACAGTCTCCACAGGTGCCCTCCCACCACCTCGCCACCGCCACCTC GGCCTGTTGCCCGCCGACGCCGCAAGCCCCGTAAGCTTCTCTGCATACCAAGGGGGCCA GAGCAAACACCTAGTTTCTGGAGTGCCCCAGTGCCCCGCCATCCTTTGACTATGAGAGGA AGAGTGGCGGCCANATC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_015872
<b>Insert Size:</b>	2099 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_015872.1</a></u> , <u><a href="#">NP_056956.1</a></u>
<b>RefSeq Size:</b>	2128 bp
<b>RefSeq ORF:</b>	1620 bp
<b>Locus ID:</b>	51043
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

This gene encodes a zinc finger-containing transcription factor that acts as a key regulator of lineage commitment of immature T-cell precursors. It is necessary and sufficient for commitment of CD4 lineage, while its absence causes CD8 commitment. It also functions as a transcriptional repressor of type I collagen genes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]