

Product datasheet for **SC332388**

ThPok (ZBTB7B) (NM_001256455) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ThPok (ZBTB7B) (NM_001256455) Human Untagged Clone
Tag: Tag Free
Symbol: ThPok
Synonyms: c-KROX; CKROX; hcKROX; THPOK; ZBTB15; ZFP-67; ZFP67; ZNF857B
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332388 representing NM_001256455.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGAGCCCCGAGGATGACCTGATTGGGATTCCATTCCCGGACCACAGCAGTGAGCTCCTGAGCTGC
CTCAATGAGCAGCGCCAGCTGGGCCACCTATGTGACCTACCATCCGGACGCAGGGCCTGAATACCGC
ACCCACAGGGCTGTGCTAGCTGCCTGTAGCCACTACTTCAAGAAGCTTTTCACTGAGGGCGGTGGCGGA
GCTGTCTATGGGGCCGGGGTAGCGGGACGGCCACTGGGGGAGCAGGGGCCGGTGTGTGAGCTGGAC
TTTGTAGGGCCAGAGGCACTAGGCGCCCTCCTTGAATTTGCCTATACAGCCACACTGACCACCAGCAGC
GCCAACATGCCAGCTGTGCTCCAGGCTGCCCGCTGCTGGAGATCCCGTGTGTCATCGTCTTGCATG
GAGATTCTGCAGGGCAGTGGGCTAGAAGCTCCAGCCCGACGAGGATGACTGTGAGCGAGCCCGCCAG
TATCTGGAGGCCCTTGGCCACAGCCACGGCCTCTGGAGTCCCAATGGTGAAGACAGTCTCCACAGGTG
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TTCCTGCAAACCAAGGGGGCCAGAGCAAACCACCTAGTCCCTGAGGTGCCACAGTGCCCGCCATCCC
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GAAGAAGAAGAGGAGCTGGTATATCCCCAGCCTATGGGCTGGCGCAGGGTGGCGGGCCCCGCTGTCC
CCAGAGGAGCTGGGCTCAGATGAGGATGCCATCGATCCTGACCTGATGGCCTACCTAAGTCCCTGCAC
CAGGACAACCTGGCACCAGGCCTGGACAGCCAAGACAAGCTGGTGCGCAAACGCCGCTCCAGATGCCT
CAGGAGTGCCCTGTCTGCCACAAGATCATCCATGGGGCAGGCAAAGTGCCTCGCCACATGAGGACCAC
ACAGGCGAGAAGCCCTTTCCTGCGAGGTCTGCGGTGTTTCGATTACCAGGAACGACAAGCTGAAGATC
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TACGACCTCAAGAACCACATGCACCTGCACACAGGGGACCGCCCTATGAGTGCCACCTGTGCCACAAG
GCTTTCGCCAAGGAGGACCACCTGCAGCGCCACCTCAAAGGCCAGAAGTGCCTGGAGGTGCGACCCGA
CGGCGCCGCAAGGACGATGCACCACCCACTACCCACCACCTCTACCGTCTGCTCATCCCCGCTGGC
CTCGACCTCTCAATGGCCACCTGGACACCTTCCGCCTCTCTAGCTCGATTCTGGGAGCAGTCAGCC
CCCACTGGGCCCCGGTCTCTACCCAGGGCCCCCTGATGACGATGAGGAGGAAGGGGCACCCACCACA
CCCCAGGCTGAAGGTGCCATGGAGTCTCTAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256455



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Insert Size:	1620 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:	NM_001256455.1
RefSeq Size:	3790 bp
RefSeq ORF:	1620 bp
Locus ID:	51043
UniProt ID:	O15156
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
MW:	58 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) lacks two alternate exons in the 5' UTR and 5' coding region, and uses a downstream in-frame start codon, compared to variant 3. The encoded isoform (1) is shorter at the N-terminus, compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>