

Product datasheet for **RC204105**

ThPok (ZBTB7B) (NM_015872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ThPok (ZBTB7B) (NM_015872) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ThPok
Synonyms:	c-Krox; DKFZp686G01254; hcKrox; THPOK; ZBTB15; ZFP67; ZNF857B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC204105 representing NM_015872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGGAGCCCCGAGGATGACCTGATTGGGATTCCATTCCCGACCACAGCAGTGAGCTCCTGAGCTGCC
 TCAATGAGCAGCGCCAGCTGGGCCACCTATGTGACCTCACCATCCGGACGCAGGGCCTTGAATACCGCAC
 CCACAGGGCTGTGCTAGCTGCCTGTAGCCACTACTTCAAGAAGCTTTTCACTGAGGGCGGTGGCGGAGCT
 GTCATGGGGGCCGGGGTAGCGGGACGGCCACTGGGGAGCAGGGGCCGGTGTGTGTGAGCTGGACTTTG
 TAGGGCCAGAGGCACTAGGCGCCCTCCTGAATTTGCCTATACAGCCACACTGACCACCAGCAGCGCCAA
 CATGCCAGCTGTGCTCCAGGCTGCCCGCTGCTGGAGATCCCGTGTGTCATCGCTTGCATGGAGATT
 CTGCAGGGCAGTGGGCTAGAAGCTCCAGCCCGGACGAGGATGACTGTGAGCGAGCCCGCAGTATCTGG
 AGGCCTTTGCCACAGCCACGGCCTCTGGAGTTCCCAATGGTGAAGACAGTCTCCACAGGTGCCCTCCC
 ACCACCTCCGCCACCGCCACCTCGGCCTGTTGCCCGCCGACGCCCAAGCCCCGAAAGCTTTCTGCAA
 ACCAAGGGGGCCAGAGCAAACCACTAGTCCCTGAGGTGCCACAGTGCCCGCCATCCCTTGACCTATG
 AGGAGGAGGAGGTGGCGGGCAGAGTGGGCAGCAGTGGGGCAGTGGGCCGGGGGACAGCTACAGCCCTCC
 CACAGGAAGTGCCTCCCCTCCTGAGGGTCCCCAGAGCTACGAACCTATGAGGGTGAGGAAGAAGAAGAG
 GAGCTGGTATATCCCCAGCCTATGGGCTGGCGCAGGGTGGCGGGCCCCCGCTGTCCCCAGAGGAGCTGG
 GCTCAGATGAGGATGCCATCGATCTGACCTGATGGCCTACCTAAGCTCCCTGCACCAGGACAACCTGGC
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 TGCCACAAGATCATCCATGGGGCAGGCAAACTGCCTCGCCACATGAGGACCCACACAGGCGAGAAGCCCT
 TTGCCTGCGAGGTCTGCGGTGTTGATTACAGGAACGACAAGCTGAAGATCCCATGCCGAAGACACAC
 GGGAGAGCGCCCCCTACTCATGCCCGCACTGCCAGCCCGCTTCTGCACAGCTACGACCTCAAGAACCAC
 ATGCACCTGCACACAGGGGACCGGCCCTATGAGTGCCACCTGTGCCACAAGGCTTTCGCCAAGGAGGACC
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 ACCACCCCACTACCCACCACCTCTACCGCTGCTGCATCCCCCGCTGGCCTCGACCTCTCCAATGGCCAC
 CTGGACACCTTCCGCCTCTCTAGCTCGATTCTGGGAGCAGTCAGCCCCCACTGGGCCCCCGGTCTCTA
 CCCCAGGGCCCCCTGATGACGATGAGGAGGAAGGGGCACCCACCACCCCAAGGTGAAGGTGCCATGGA
 GTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204105 representing NM_015872
 Red=Cloning site Green=Tags(s)

MGSPEDDLIGIPFDHSELLSCLNEQRQLGHLCDLTIRTQGLELYRTHRAVLAACSHYFKKLFTEGGGA
 VMGAGSGTATGGAGAGVCELDVFGPEALGALLEFAYTATLTTSSANMPAVLQAARLLEIPCVIAACMEI
 LQSGGLEAPSPDEDDCERARQYLEAFATATASGVPNGEDSPPQVPLPPPPPPPRPVARRSRKPKAFLQ
 TKGARANHLVPEVPTVPAHPLTYEEEEVAGRVGSSGGSGPGDSYSPPTGTASPPEGPQSYEPYEGEEEE
 ELVYPPAYGLAQGGPPLSPEELGSEDAIDPDL MAYLSSLHQDNLAPGLDSQDKLVKRRSQMPQECPV
 CHKIIHGAGKLPRHMRHTGKPFACEVGVRFTRNDKLKIHMRKHTGERPYSCPHCPARFLHSYDLKNH
 MHLHTGDRPYEHLCHKAFKEDHLQRHLKGQNCLEVRTRRRRKDDAPPHYPPPSTAAASPAGLDLSNGH
 LDTFRLSLARFWEQSAPTGPVSTPGPPDDDEEGAPTTQAEGAMESS

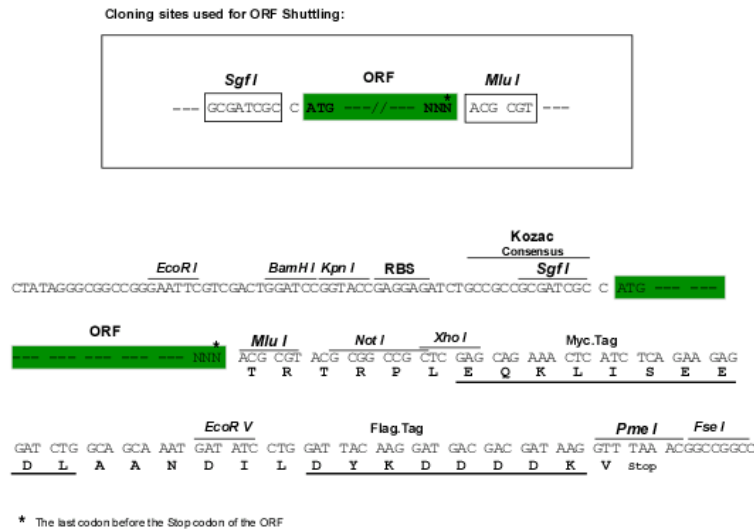
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2168_a09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015872

ORF Size: 1617 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015872.1](#), [NP_056956.1](#)

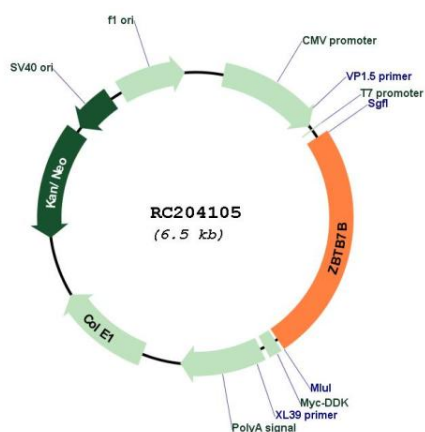
RefSeq Size: 3634 bp

RefSeq ORF: 1619 bp

Locus ID: 51043

Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
MW:	58.5 kDa
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]

Product images:



Circular map for RC204105