

Product datasheet for **RG234388**

ThPok (ZBTB7B) (NM_001256455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ThPok
Synonyms:	c-KROX; CKROX; hckKROX; THPOK; ZBTB15; ZFP-67; ZFP67; ZNF857B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG234388 representing NM_001256455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAGCCCCGAGGATGACCTGATTGGGATTCCATTCCCGACCACAGCAGTGAGCTCCTGAGCTGCC
 TCAATGAGCAGCGCCAGCTGGGCCACCTATGTGACCTACCATCCGGACGAGGGCCTTGAATACCGCAC
 CCACAGGGCTGTGCTAGCTGCCTGTAGCCACTACTTCAAGAAGCTTTTCACTGAGGGCGGTGGCGGAGCT
 GTCATGGGGGCGGGGGTAGCGGGACGGCCACTGGGGGAGCAGGGGCGGTGTGTGTGAGCTGGACTTTG
 TAGGGCCAGAGGCACTAGGCGCCCTCCTTGAATTTGCCTATACAGCCCACTGACCACCAGCAGCGCCAA
 CATGCCAGCTGTGCTCCAGGCTGCCCGCCTGCTGGAGATCCCGTGTGTATCGCTGCTTGCATGGAGATT
 CTGCAGGGCAGTGGGCTAGAAGCTCCAGCCGACGAGGATGACTGTGAGCGAGCCCGCCAGTATCTGG
 AGGCCTTTGCCACAGCCACGGCCTCTGGAGTTCCCAATGGTGAAGACAGTCTCCACAGGTGCCCTCCC
 ACCACCTCCGCCACCGCCACCTCGGCCTGTGCCCCGCCGAGCCGAAGCCCCGAAAGCTTCTCTGCAA
 ACCAAGGGGGCCAGAGCAAACCACTAGTCCCTGAGGTGCCACAGTGCCCGCCATCCCTTGACCTATG
 AGGAGGAGGAGGTGGCGGGCAGAGTGGGACGAGTGGGGCAGTGGGGCGGGGACAGCTACAGCCCTCC
 CACAGGAATGCCTCCCTCCTGAGGTCCCCAGAGCTACGAACCTATGAGGGTGAGGAAGAAGAAGAG
 GAGCTGGTATATCCCCAGCCTATGGGTGGCGCAGGTGGCGGGCCCCGCTGTCCCAGAGGAGCTGG
 GCTCAGATGAGGATGCCATCGATCCTGACCTGATGGCTACCTAAGCTCCCTGCACCAGGACAACCTGGC
 ACCAGGCCTGGACAGCCAAGACAAGCTGGTGCACAAACGCCCTCCAGATGCCTCAGGAGTGCCCTGTC
 TGCCACAAGATCATCCATGGGGCAGGCAAACTGCCTCGCCACATGAGGACCCACACAGGCGAGAAGCCCT
 TTGCTGCGAGGTCTGCGGTGTTGATTACACAGGAACGACAAGCTGAAGATCCACATGCGGAAGCACAC
 GGGAGAGCGCCCTACTCATGCCCGCACTGCCAGCCGCTTCTGACACAGTACGACCTCAAGAACCCAC
 ATGCACCTGCACACAGGGGACCGGCCTATGAGTGCCACCTGTGCCACAAGGCTTTCGCAAAGGAGGACC
 ACCTGCAGCGCCACCTCAAAGGCCAGAAGTGCCTGGAGGTGCGCACCCGACGGCGCCGAAGGACGATGC
 ACCACCCCACTACCCACCACCTCTACCGCTGCTGCATCCCCCGCTGGCCTCGACCTCTCCAATGGCCAC
 CTGGACACCTTCCGCTCTCTCTAGCTCGATTCTGGGAGCAGTCAGCCCCCACTGGGCCCCCGGTCTCTA
 CCCCAGGGCCCCCTGATGACGATGAGGAGGAAGGGGACCCACCACACCCAGGCTGAAGGTGCCATGGA
 GTCCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234388 representing NM_001256455
 Red=Cloning site Green=Tags(s)

MGSPEDDLIGIPFDHSELLSCLNEQRQLGHLCDLTIQTGLEIRTHRAVLAAACSHYFKKLFTEGGGA
 VMGAGSGTATGGAGAGVCELDVFGPEALGALLEFAYTATLTSSANMPAVLQAARLLEIPCVIAACMEI
 LQGSGLLEAPSPDEDDCERARQYLEAFATATASGVNAGEDSPPQVLPPLPPPPPPRVARSRKPRKAFLO
 TKGARANHLVPEVPTVPAHPLTYEEEEVAGRVGSSGSGPGDSYSPPTGTASPPPEGPQSYEPYEGEEEE
 ELVYPPAYGLAQGGPPLSPEELGSEDAIDPDL MAYLSSLHQDNLAPGLDSQDKLVRKRRSQMPQECPV
 CHKIIHGAGKLP RMRHTTGEKPFACEVCGVRFTRNDKLIHMRKHTGERPYSCPHCPARFLHSYDLKNH
 MHLHTGDRPYECHLCHKAFKEDHLQRHLKGQNCLEVRTRRRRKDDAPPHYPPPSTAAASPAGLDLSNGH
 LDTFRLSLARFWEQSAPTGPVSTPGPPDDDEEGAPTPQAEGAMESS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256455

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.

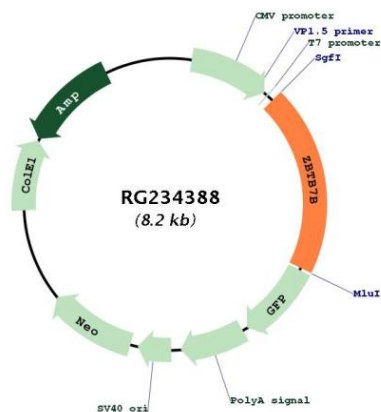
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001256455.2](#)

RefSeq Size: 3790 bp

RefSeq ORF:	1620 bp
Locus ID:	51043
UniProt ID:	O15156
Cytogenetics:	1q21.3
Protein Families:	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]

Product images:



Circular map for RG234388