

Product datasheet for **RR208001**

Thoc1 (NM_001047850) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thoc1 (NM_001047850) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thoc1
Synonyms:	LRRGT00070
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208001 representing NM_001047850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCCGACGCCGCGCTTTTCAGTTTGCCCGAGGCGCGGACGCGTTTACGATAAATCATTAGCAT
 GTGAGAACGTTTTAGCTATTATTTCTCTTGCCATTGGGGGAGTAACAGAAAGTGTCTGTACTGCGTCCAC
 ACCATTTGTGCTATTGGGAGATGTCTTGACTGCCTTCCTTTGGATCAGTGTGACACAATATTCACTTTT
 GTCGAAAAAATGTTGCCACTTGAAGTCAAACCTCTCAGGAGACAGCTATATCAGGCTCCTGTCAGCAT
 GCACCTTCTGGCGTCAGCAATATTGTTGGGTTTGGTAGCTGAATATGGGCTGGATCCCCAGCATACTGA
 GGATAGAGAGGAAGGGATGGATGTAGAAGAAGGTGAAATGGGAGATGATGAAGCCCCACGACTTGTCT
 ATTCGAATTGATTACAACCTGTACAGAAAATTCTGGTCACTTCAGGATTACTTCAGGAACCCAGTACAAT
 GCTATGAGAAGATTTCTGGAAAATTTCTCAAGTATTCTGAAGAAGTTTTAGCTGTCTTTAAAAGTTA
 TAAATTAGATGATACTCAAGCCTCCAGGAAGAAGATGGAAGAAGTGAAGAACAGGAGGGGAGCAGGTGAC
 TTCGAAAAGTTCTTAACAAGCGAGAAGTTGATGGATTTACAACCTGAGTGACAGTAACTTTTCGTCGACACA
 TCCTGTTGCAGTATCTCATTTTTATTTTCAGTATCTCAAGGGACAGGTCAAATTCAAAAGAGCATCAGATAC
 CAAGCCCCAAGAGTGGTACGGAAGAGAGCAGCCCCAGAAGACTTCTTAGGCAAAGGGCCCAATAAGAAA
 ATCCTGATTGGAAAAGTATTACACATAAACCTCACTGTTTACTTTACAATGACCAGAGAATACATGCCAA
 CTTTGGAGGAGTTCTTTGAAGAAGCCATTGAACAAGCAGATCCTGAAAACATGGTTGAAAGTGAATATA
 AGCCGTAATAATTCAAATATGGATGGAGAGCTCTCAGACTCTAGCCCGGAGAAGCCCTCACTTCTTC
 CAGCCAACTAACCCAGCAGTTTAAAGTCTGCCAGAGTATCTTGAAGAACATGGTGATAAAGCTAGCCAAGG
 AACTACCACCCCTTCTGAAGAAAATAAAAACAGGTGAGGATGAAGATGAGGAAGATAATGATGCTTTACT
 AAAGGAAAATGAAAGTCTGATGTTTCGGCGAGATAAACCTCTAACAGGGGAACAGATAGAGTCAATTTGCC
 AACAACTTGGTGAAGATGGAAGATTTTGGCTCCTTACCTGGAATTAAGACTCTGACATTAGGCAGA
 TTGAATGTGACAGTGAGGACATGAAGATGAGAGCCAAACAGCTCCTTGTTCCTGGCAAGATCAAGAAGG
 AGTTCACGCAACAAGTATAACCTGATTGGTGCCTGAACAAGTCTGGGTTAAGTGACCTTGCAAAAAGT
 CTAATAATGACTGAAACAAACAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208001 representing NM_001047850
 Red=Cloning site Green=Tags(s)

MSPTPALFSLPEARTRFTINHSACENVLAIISLAIGGVTESVCTASTPFVLLGDVLDCLPLDQCDTIFTF
 VEKNVATWKSNLSGDSYIRLLSACTSWRQYCLGLVAEYGLDPQHTEDREEGMDVEEGEMGDDEAPTTC
 IPIDYNLYRKFWSLQDYFRNPVQCYEKISWKTFLKYSEEVLAVFKSYKLDLDTQASRKKMEELKTGGEHVY
 FAKFLTSEKMLDLQLSDSNFRRHILLQYLILFQYKGVKFKRASDTKPTRVVRKRAAPEDFLGKGNKK
 ILIGKVLHINLTVYFTMTREYMPLEEFFEEAIEQADPENMVESEYKAVNNSNYGWRALRLLARRSPHFF
 QPTNQQFKSLPEYLENMVIKLAKELEPPSEEIKTGEDEDEEDNDALLKENESPDVRRDKPLTGEQIESFA
 NKLGEQWKILAPYLEIKDSDIRQIECDSEDMKMRKQLLVAWQDQEGVHATTDNLIGALNKSGLSDLAES
 LTNDTETNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001047850

ORF Size: 1497 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.

RefSeq: [NM_001047850.1](#), [NP_001041315.1](#)

RefSeq Size: 1500 bp

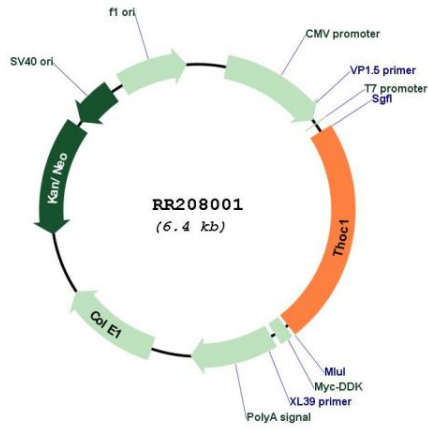
RefSeq ORF: 1500 bp

Locus ID: 291797

Cytogenetics: 18p13

MW: 57.2 kDa

Product images:



Circular map for RR208001