

Product datasheet for **MC204510**

Tnk1 (NM_031880) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnk1 (NM_031880) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnk1
Synonyms:	Kos1; Tnk1a; Tnk1b
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029623
 GCCTTCGCCAGTTCTCAGGCCGCTGGGGTGACCAACTCCCCACGCTCCCCACCTCCACCTCCCACCTCA
 GACCTCCGATCTAGGACTTCCTCGTGGTATAACTACAGAGAGACAGGCCATCCATTTAAAGCAGTCGGCC
 ATCCTCCTGAGACATCTGACCCAGACATGCTCCCTGAAGCCAGTTCCCTGTGGCTCCTTCGGCTACTCC
 GGGATGTTCAACTGGCCAGTTTTACCGGCCATCCTTGAGGAACTCAACGTCACCTCGGCCAGAACATTT
 TGACTTTGTAAGGCCTGAGGACCTGGACAACATAGGCATGGGCAGGCCTGCCAGGCAGACTTAATGAA
 GCCCTGAAGAGGTACCGGTCAGGGGTCAAGTCCAAGAATTGGGTGTACAAGATACTTGGGGCTTTGCTC
 CCGAACAGAAGGAGATCCCTCCACGCTCAGACAGTCCCTCTGTGCTTCCATGAGCCAGAGGGGGACTCAA
 GTGCTGATTCCAGAGGGTGCTGTGCGCAGAGGGGAGCTGCTGGGTTTCCAGGCTGCTTTGGTGTGTACAT
 CGAGGGTTATGGACACTACCCAGTGGGCAGAGTATCCCAGTGGCGGTCAAGTCCCTCCGTGTGGTCCC
 AGGGTCCGATGGGCACAGAACTGGGCGACTTCTGCGGGAAGTATCTGTGATGATGAAGCTAGAGCACCC
 ACACGTGCTGCGCTGCATGGCCTCGTACTGGCCAGCCTCTACAGATGGTGTGGAAGTTGCGCCACTG
 GGCTCCCTGCATACGCGCCTGACTGCCACGACCCGACCCCTGCTGTGGCCTGCTGTGCCTTT
 TTCTGCGTCAGTTGGCAGGAGCCATGGCGTACTGGGGTCTGTGGGTTAGTGCACCGGGATCTCGCCAC
 CCGCAACCTGCTGCTGGCCTCACCTCGAATGATCAAGGTGGCGGATTTTGGACTGGTTCCGCCACTGGGA
 GCGCCCCGGGACGCTAGTCTGAGGCGGGCCCGTCTATCCCCATGCTGCTGTGCCCCAGAGAGCC
 TACGCCAGGGAGCCTTCTCGTCTGCCTCTGATGTGTGGATGTTTGGCGTGACACTCTGGGAAATGTTTT
 TGGAGGTGAGGAACCTGGGCAGGTGTCCACCATATCTCATCTACAGCGACTGGAGAAGGACCGAGCC
 AGGCTGCCAAAGCCTCCCTGTGTTCCAGGGCCCTCTACTCCCTCGCCTTGCCTGCTGGGCCCCACACC
 CTGCAGACCGGCTAGCTTTTCCAACCTGGAAGGGCTGCTTCAAGAGGCTTGGCTTTCTGAGGGACGCTG
 TGTGAGGGAGGTCACAGAGCCAGGTGCTTTGCGGATGGAACCCGGTGACCCCATCACTATCATTGAGGGC
 AGCCTGGACACTGCAACCTGAAAGGCCAGAATGGCCGGACCCCTCAAAGTGGGCAACTTCCGGCTCCG
 CAGTGACACTAGCAGACTTGGGGGTTTACCAGTCACCCATCCAGCCACAGAGGTTCCCTGCCCCATGG
 AGAGAAATGCAGAGGGGGCACAGATGGGGACAGAGAGAAGGCAACGTTACAAGACCTACCCCGACGACGG
 AGCCACAGAACGAAGATGCCCTGCAGAGGATGCGAGGCAATTTCCAAGAGTCTGGAATCAGTTCTGTCCC
 TGGGCCCTAGACCACAGGAGGTGGTTCAAGTCTCCAGAACTTCGCGTACAAGAGCTATGCCGAAAG
 ACTCCCAGACCTACCTCCAGCCACCAGACCTGCCTCCAGCCACCTATTATCTGCAACTCTTCTCAG
 CCCACCCAGCCCCACAAAGCCCGGCCAAAAGAGAATCCTCACATAATCACCGCACTGGAGCACCTGGAG
 CCAGCAAAGCCACTGTCCCTCTGGAGGTCCCTTGTGACACCCGAGTGGCAGAGGAAGGTTGTAGAGGT
 AGAGCTGAGTGTGCATGGTGTACCTACCAGGAGTGCCAAGTGGCACTCAGAACCCTGGGGGAGATGTG
 GCTTCTGTATCCGGAACCTCAAGGTAGACCAGCTCTTCCACCTTAGTAACCGGTCCCGAGCAGACTGTC
 GTCGATCCTGGAGCATACCAAGTGGGACCTGTGAGCAGCCAGTGCCTACATCCTAGCCCGTCTGAACT
 TCTGTATCCTCAGGGATGGACACCAGCATGGGTTACCTGGTCCACTTAGGGCTTGGCCTTACGGACTAAT
 CAGAACATGAGGTCTTGACGGAGGCACGCTGAGGGAGATTTACCTGCTGTGAGGAGTGACAGGAAGTGTA
 TAGGGCACTCAGGTACTGGCTAATGCTTCTCCGAGCCCTGCTCCTTGGCCTCTGAAGGGACCAAGACCA
 AGTCCACTCTGCCTACTATATCCCAATTGAACAGGACTTGAAAGAAAAGCTTTGGAGGAGGCCTCTAC
 TCACTACAGACAAGGATCAAGTAGCAATACCGGATCACTGACCAACCGTCCGAACTGTATTAGCTACTT
 CCCTAAACTCTATGGGGCACCAACTTAGATATTGACTTGGGGGCTGCTCTGGTTTGGTCCAGAATCACT
 ATGGGTGATGAAAATAACTTTTTGGACTCAAGGACTTTTTTCTTTAATCCAAATAGTGTAGATTATAC
 AGGCTGGCTGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_031880
Insert Size: 2001 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC029623](#), [AAH29623](#)

RefSeq Size: 2693 bp

RefSeq ORF: 2001 bp

Locus ID: 83813

UniProt ID: [Q99ML2](#)

Cytogenetics: 11 B3

Gene Summary: May function in signaling pathways utilized broadly during fetal development and more selectively in adult tissues and in cells of the lymphohematopoietic system. Could specifically be involved in phospholipid signal transduction (By similarity). Involved in negative regulation of cell growth. Has tumor suppressor properties. Plays a negative regulatory role in the Ras-MAPK pathway.[UniProtKB/Swiss-Prot Function]