

Product datasheet for **SC330245**

TNK1 (NM_001251902) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNK1 (NM_001251902) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNK1
Synonyms:	KOS1
Vector:	pCMV6-Entry (PS100001)

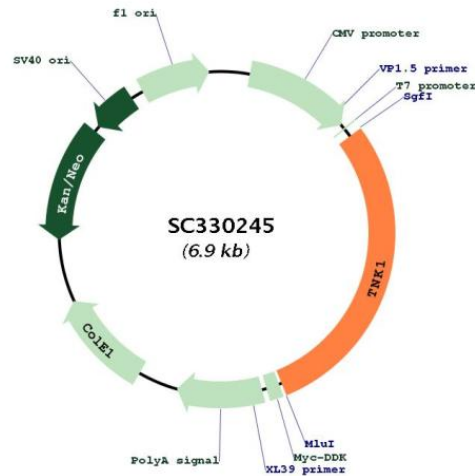


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Fully Sequenced ORF: >SC330245 representing NM_001251902.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTTCCTGAGGCTGGCTCCCTGTGGCTACTGAAGCTGCTCCGGGACATCCAGTTGGCCAGTTTTAC
TGGCCCATCCTTGAGGAGCTTAATGTCACTCGGCCAGAGCACTTCGACTTTGTAAGCCTGAGGACCTG
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TGCGCATCCTGGAGCATTACCAGTGGGACCTCTCAGCTGCCAGCCGCTATGTCCTGGCCAGGCC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001251902

Insert Size: 2001 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:

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_001251902.1](#)

RefSeq Size: 2927 bp

RefSeq ORF: 2001 bp

Locus ID: 8711

UniProt ID: [Q13470](#)

Cytogenetics: 17p13.1

Protein Families: Druggable Genome, Protein Kinase

MW: 72.5 kDa

Gene Summary:

The protein encoded by this gene belongs to the tyrosine protein kinase family. Tyrosine protein kinases are important regulators of intracellular signal transduction pathways, mediating cellular proliferation, survival, and development. This gene is highly expressed in fetal tissues and at lower levels in few adult tissues, thus may function in signaling pathways utilized broadly during fetal development, and more selectively in adult tissues. It plays a negative regulatory role in the Ras-Raf1-MAPK pathway, and knockout mice have been shown to develop spontaneous tumors, suggesting a role as a tumor suppressor gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Oct 2011]

Transcript Variant: This variant (1) encodes the longer isoform (1).