

## Product datasheet for **RC223073**

### **TNK1 (NM\_003985) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TNK1 (NM_003985) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNK1
Synonyms:	KOS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC223073 representing NM\_003985  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

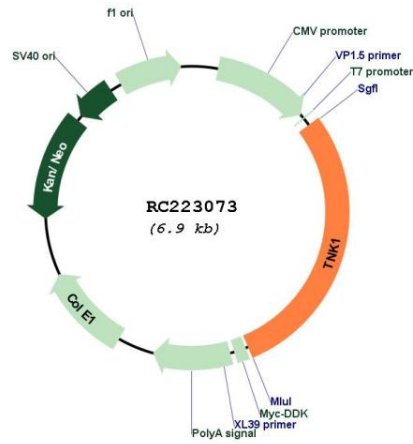
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 GCCCCCTGAAATTCGACAAGCCAGAGCTGTGCCCCAGGACCTCCAGGCTGCCTCCACGCCACCTTT  
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 AGCACTAGGAGCCACTGGGGAGATGTGGTTTCTGCCATCCGGAACCTCAAGGTAGATCAGCTCTTCCAC  
 CTGAGTAGCCGGTCCAGAGCTGACTGCTGGCGCATCCTGGAGCATTACCAGTGGGACCTCTCAGTGCCA  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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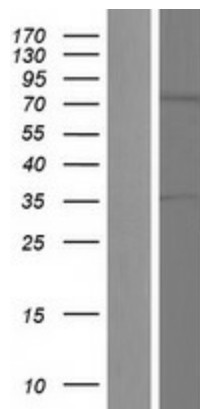


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003985.5</a>
<b>RefSeq Size:</b>	2771 bp
<b>RefSeq ORF:</b>	1986 bp
<b>Locus ID:</b>	8711
<b>UniProt ID:</b>	<a href="#">Q13470</a>
<b>Cytogenetics:</b>	17p13.1
<b>Domains:</b>	pkinase, TyrKc, SH3, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	71.7 kDa
<b>Gene Summary:</b>	<p>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]</p>

Product images:



Circular map for RC223073



Western blot validation of overexpression lysate (Cat# [LY401305]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223073 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).