

## Product datasheet for MC209495

### Tank (NM\_001164071) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Tank (NM\_001164071) Mouse Untagged Clone  
Tag: Tag Free  
Symbol: Tank  
Synonyms: C86182; E430026L09Rik; I-TRAF  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
Fully Sequenced ORF: >MC209495 representing NM\_001164071  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATAAAAACATTGGTGAGCAACTCAATAGAGCATATGAAGCCTTCCGACAGGCATGCATGGATAGAG  
ATTCAGCAGTAAGAGAGCTACAGCAAAAGCAGACTGAGAACTATGAACAAAGAATACGCGAGCAACAGGA  
ACAGCTGTCATTTCAACAAAACCTAATTGACAGGCTGAAATCACAGCTACTTCTCGTGGATTCTAGTCGA  
GATAACAGTTATGGCTATGTACCTTTGCTTGAAGACAGTGACAGAAGGAAGAATAATTTGACCCCTTGATG  
AACCACATGATAAAGTAACTAGGAACACTGAGAGATAAGCAATCAAAGGTGAGACGACAAGAAGTTTC  
TTCTGGAAAAGAATCCGCCAAGGGTCTCAACATCCCTCTGCATCACGAAAAGGGATAATATAGAGAAGACT  
TTCTGGGACCTTAAAGAAGAATTCATAGGATTTGCTTGCTAGCAAAAGCACAGAAAGATCACTTAAGCA  
AACTTAATATACCAGATATTGCAACTGACACACAGTGTTCTGTGCCTATACAGTGTACTGATAAAACAGA  
GAAACAAGAAGCGCTGTTAAGCCCCAGGCTAAAGATGATATAAATAGAGGTATGTCGTGCGTCACAGCT  
GTCACACCAAGAGGACTGGGCCGGATGAGGAAGATACCTCTTTTGAATCACTTTCTAAATCAATGTCA  
AGTTTCCGCCTATGGACAATGACTCTATTTTTCTACATAGCACTCCAGAGGCCCGAGCATCTTTGCTCC  
TGCCACACTGAGACAGTGTGCCAGGACCGATTTAATATGGAAGTCAGAGACAACCCAGGAACTTTGTT  
AAAACAGAAGAACTTTATTTGAAATTCAGGGAATTGACCCATAACTTCAGCTATACAAAACCTTAAAA  
CAACTGACAAAACAAACCCTCAAATCTTAGAGCGACGTGTTTGCAGCTGGAGACCACAAATGTGTTCTA  
TGTAATACGTTCCCACTTCAAGACCCGCTGACGCACCTTTTCCCTCACTGGATTCCCCAGGAAAGGCT  
GTCCGAGGACCACAGCAGCCCTTTTGAAGCCTTTTCTTAACCAAGACACTGACTTAGTGGTACCAAGTG  
ATTCAGACTCAGAGCTCCTTAACCTCTAGTGTGTGAATTCTGTCAAGAGCTTTTCCACCATCCATTAC  
ATCCAGAGGGGATTTCTCCGGCATCTTAATACACACTTAATGGGGAGACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001164071
<b>Insert Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<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>	<u><a href="#">NM_001164071.1</a></u> , <u><a href="#">NP_001157543.1</a></u>
<b>RefSeq Size:</b>	2227 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	21353
<b>Cytogenetics:</b>	2 C1.3
<b>Gene Summary:</b>	<p>Adapter protein involved in I-kappa-B-kinase (IKK) regulation which constitutively binds TBK1 and IKBKE playing a role in antiviral innate immunity. Acts as a regulator of TRAF function by maintaining them in a latent state. Blocks TRAF2 binding to LMP1 and inhibits LMP1-mediated NF-kappa-B activation. Negatively regulates NF-kappaB signaling and cell survival upon DNA damage. Plays a role as an adapter to assemble ZC3H12A, USP10 in a deubiquitination complex which plays a negative feedback response to attenuate NF-kappaB activation through the deubiquitination of IKBKG or TRAF6 in response to interleukin-1-beta (IL1B) stimulation or upon DNA damage. Promotes UBP10-induced deubiquitination of TRAF6 in response to DNA damage. May control negatively TRAF2-mediated NF-kappa-B activation signaled by CD40, TNFR1 and TNFR2. Essential for the efficient induction of IRF-dependent transcription following infection with Sendai virus.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Variants 1 and 4 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>