

Product datasheet for MC217752

Tank (NM_001164072) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tank (NM_001164072) 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: >MC217752 representing NM_001164072
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATAAAAACATTGGTGAGCAACTCAATAGAGCATATGAAGCCTTCGACAGGCATGCATGGATAGAG
 ATTCAGCAGTAAGAGAGCTACAGCAAAAGACTGAGAACTATGAACAAAGAATACGCGAGCAACAGGAACA
 GCTGTCATTTCAACAAAACCTAATTGACAGGCTGAAATCACAGCTACTTCTCGTGGATTCTAGTCGAGAT
 AACAGTTATGGCTATGTACCTTTGCTTGAAGACAGTGACAGAAGGAAGAATAATTTGACCCTTGATGAAC
 CACATGATAAAGTGAAACTAGGAACACTGAGAGATAAGCAATCAAAGGTGAGACGACAAGAAGTTTCTTC
 TGGAAAAGAATCCGCCAAGGGTCTCAACATCCCTCTGCATCACGAAAGGGATAATATAGAGAAGACTTTC
 TGGGACCTTAAAGAAGAAATTTATAGGATTTGCTTGTAGCAAAAGCACAGAAAGATCACTTAAGCAAAC
 TTAATATACCAGATATTGCAACTGACACACAGTGTCTGTGCCTATACAGTGTACTGATAAAACAGAGAA
 ACAAGAAGCGCTGTTAAGCCCCAGGCTAAAGATGATATAAATAGAGGTATGTCGTGCGTCACAGCTGTC
 ACACCAAGAGGACTGGGCCGGGATGAGGAAGATACCTCTTTTGAATCACTTCTAAATTCATGTCAAGT
 TTCCGCCTATGGACAATGACTCTATTTTTCTACATAGCACTCCAGAGGCCCGAGCATCCTTGCTCCTGC
 CACACCTGAGACAGTGTGCCAGGACCGATTTAATATGGAAGTCAGAGACAACCCGAAACTTTGTTAAA
 ACAGAAGAAACTTTATTTGAAATTCAGGGAATTGACCCATAACTTCAGCTATACAAAACCTTAAACAA
 CTGACAAAACAAACCCCTCAAATCTTAGAGCGACGTGTTTGCCAGCTGGAGACCACAATGTGTTCTATGT
 AAATACGTTCCCACTTCAAGACCCGCTGACGCACCTTTTCCCTCACTGGATTCCCAGGAAAGGCTGTC
 CGAGGACCACAGCAGCCCTTTTGGAAAGCCTTTTCTTAACCAAGACACTGACTTAGTGGTACCAAGTGATT
 CAGACTCAGAGCTCCTTAAACCTCTAGTGTGTGAATTCTGTCAAGAGCTTTTCCACCATCCATTACATC
 CAGAGGGGATTTCTCCGGCATCTTAATACACACTTTAATGGGGAGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001164072
Insert Size:	1242 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:	<ol style="list-style-type: none">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_001164072.1 , NP_001157544.1
RefSeq Size:	2019 bp
RefSeq ORF:	1242 bp
Locus ID:	21353
UniProt ID:	P70347
Cytogenetics:	2 C1.3
Gene Summary:	<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 (2) lacks an alternate exon in the 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The resulting isoform (2) lacks one internal residue, compared to 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>