

## Product datasheet for **RR207981**

### Tank (NM\_145788) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tank (NM\_145788) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tank  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207981 representing NM\_145788  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATAAAAACATTGGCGAGCAACTCAATAGAGCATATGAAGCCTTCGACAGGCATGCATGGATAGAG  
ATTCAGCAGTAAGAGAGCTGCAGCAGAAGCAGACTGAGAATATGAACAAAGAATACGCGAGCAACAGGA  
ACAGCTGTCAATTCACAAACTCTCATTGACAGGCTAAAGTCACAGCTACGCTTTGTGGATTCTAGTCGA  
GATAACACTTGTGACTATGTACCTTTGCTTGAAGACAGTGACAGAAGGAAGAATAATTTGACCCCTTGATG  
AACCATGATAAAGTGAAGTAACTAGGAACACTGAGAGATAAGCAATCAAAGGTGAGAAGACAAGAAGTTTC  
TTCTGGAAAAGAGACCTCAAAGGATCTCAGCATCCCTTTGCATCATGAAAGGGATAATATAGAGAAGACT  
TTCTGGGACCTTAAAGAAGAATTCATAGGATATGCTTACTAGCAAAAAGCACAGAAAAGACCACCTTAAGCA  
AACTTAATATAACCAGATATTGCAACTGACACACAGTGTTCTGTGCCTATACAGTGTACCGATAAAACAGA  
AAAACAAGAAGCGCTGTTAAGCCCCAGGCTAAAGATGATATAAATAGAGGTATGTCGTGCGTCACATCT  
GTCACACCAAGAGGACTGGGCCGGGATGAGGAAGATACCTCTTTTGAATCGCTTTCTAAATCAATGTCA  
AGTTTCCGCCTGTGGACAGTGACTCTACTTTTCTACATAGCACTCCAGAGACCCCGAGCATCCTTGCTCC  
CTCCACACCTGAGGCAGTGTCAGGACAAGTTTAAATGTGGAAGTCAGAGACAGCCAGGAAACTTGTT  
AAAACAGAAAGAACTTTATTTGAAATTCAGGGAATTAACCCCATAACTTCACTATACAAAACCTTAAAA  
CAACTGACAAAACAAAACCTCAAATCTTAGAGCTCCGTGTTTGCAGCTGGAGACCATAATGTGTTCTA  
TGTAATAACGTTCCCACTTCAAGACCCGCTGACGCACCTTTTCCCTCACTGGATTCCCCAGGAAAGGCT  
GTCCGAGGACCACAGCAGCCCTTTGGAAGCCTTTTCTAACCAAGACTGACTTAGTGGTACCAAGTG  
GTTCACTCAGTACTCCTTAAACCTCAAGTGTGTGAGTTCTGTCAAGAGCTTTCCACCATCCCTTAC  
ATCCAGAGGGGATTTCTCCGGCATCTTAATACACACTTAAATGGAGAGACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207981 representing NM\_145788  
 Red=Cloning site Green=Tags(s)

MDKNIGEQLNRAYEAFRQACMDRDSAVRELQKQKTENYEQRIREQQEQLSFQQTLDRLKSQLRLVDSSR  
 DNTCDYVPLLEDSDRRKNNLTLDEPHDKVKGTLRDKQSKVRRQEVSSGKETSKDLSIPLHHERDNIKT  
 FWDLKEEFHRIICLLAKAQKDHLSKLNIPDIATDTQCSVPIQCTDKTEKQEALFKPQAKDDINRGMSCVTS  
 VTPRGLGRDEEDTSFESLSKFNVKFPPVDSSTFLHSTPETPSILAPSTPEAVCQDKFNVEVRDSPGNLV  
 KTEETLFEIQGINPITSAIQNLKTTDKTKPSNLRAPCLPAGDHNVFYVNTFPLQDPPDAPFPSLSDSPGKA  
 VRGPQQLWKPFPNQDLDLVVPSGSDSVLLKPQVCEFCQELFPPSLTSRGDFLRHLNTHFNGET

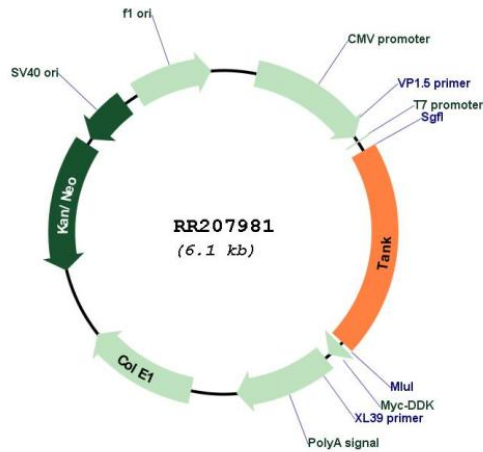
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_145788

<b>ORF Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_145788.2</a> , <a href="#">NP_665731.2</a>
<b>RefSeq Size:</b>	2077 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	252961
<b>Cytogenetics:</b>	3q21
<b>MW:</b>	47 kDa