

Product datasheet for **RR216603**

Tank (NM_001164073) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tank (NM_001164073) 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: >RR216603 representing NM_001164073
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAAAAACATTGGCGAGCAACTCAATAGAGCATATGAAGCCTTCGACAGGCATGCATGGATAGAG
ATTCAGCAGTAAGAGAGCTGCAGCAGAAGACTGAGAACTATGAACAAAGAATACGCGAGCAACAGGAACA
GCTGTCTTTCAACAACTCTCATTGACAGGCTAAAGTCACAGCTACGCTTGTGGATTCTAGTCGAGAT
AACACTTGTGACTATGTACCTTTGCTTGAAGACAGTGACAGAAGGAAGAATAATTTGACCCTTGATGAAC
CACATGATAAAGTGAACTAGGAACACTGAGAGATAAAGCAATCAAAGGTGAGAAGACAAGAAGTTTCTTC
TGGAAAAGAGACCTCAAAGGATCTCAGCATCCCTTTGCATCATGAAAGGGATAATATAGAGAAGACTTTC
TGGGACCTTAAAGAAGAATTTATAGGATATGCTTACTAGCAAAAGCACAGAAAGACCACTTAAGCAAAAC
TTAATATACCAGATATTGCAACTGACACACAGTGTCTGTGCCTATACAGTGTACCGATAAAACAGAAAA
ACAAGAAGCGTGTTAAGCCCCAGGCTAAAGATGATATAAATAGAGGTATGTCGTGCGTCACATCTGTC
ACACCAAGAGGACTGGGCCGGGATGAGGAAGATACCTCTTTTGAATCGCTTCTAAATTCATGTCAAGT
TTCCGCCTGTGGACAGTGACTCTACTTTTCTACATAGCACTCCAGAGACCCGAGCATCCTTGCTCCCTC
CACACCTGAGGCAGTGTGCCAGGACAAGTTAATGTGGAAGTCAGAGACAGCCAGGAAACTTGGTTAAA
ACAGAAGAACTTTATTTGAAATTCAGGGAATTAACCCCACTTACAGCTATACAAAACCTTAAACAA
CTGACAAAACAAAACCTCAAATCTTAGAGCTCCGTGTTTGCAGCTGGAGACCAATATGTGTTCTATGT
AAATACGTTCCCACTTCAAGACCCGCTGACGCACCTTTCCCTCACTGGATTCCCAGGAAAGGCTGTC
CGAGGACCACAGCAGCCCTTTGGAAGCCTTTTCTAACCAAGACACTGACTTAGTGGTACCAAGTGTT
CAGACTCAGTACTCCTTAAACCTCAAGTGTGTGAGTCTGTCAAGAGCTTTCCACCATCCCTTACATC
CAGAGGGGATTTCTCCGCATCTTAATACACACTTAAATGGAGAGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216603 representing NM_001164073
 Red=Cloning site Green=Tags(s)

MDKNIGEQLNRAYEAFRQACMDRDSAVRELQQKTENYEQRIREQQEQLSFQQTLIDRLKSQLRLVDSSRD
 NTCDYVPLEDSDRRKNLTLDEPHDKVKLGLTRDKQSKVRRQEVSSGKETS KDLSIPLHHERDNIKTF
 WDLKEEFHRI CLLAKAQKDHLSKLNIPDIATDTQCSVPIQCTDKTEKQEALFKPQAKDDINRGMSCVTSV
 TPRGLGRDEEDTSFESLSKFNVKFPPVSDSTFLHSTPETPSILAPSTPEAVCQDKFNVEVRDSPGNLVK
 TEETLFEIQGINPITSAIQNLKTTDKTKPSNLRAPCLPAGDHNVFYVNTFPLQDPPDAPFSLDSPGKAV
 RGPQQPLWKFPFNQDSDLVPSGSDSVLLKPQVCEFCQELFPPSLTSRGDFLRHLNTHFNGET

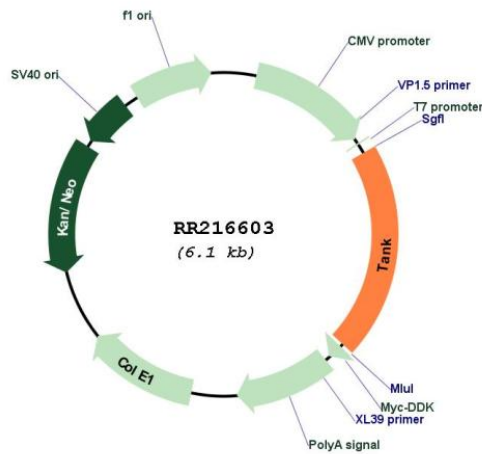
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164073

ORF Size:	1239 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001164073.1 , NP_001157545.1
RefSeq Size:	2066 bp
RefSeq ORF:	1242 bp
Locus ID:	252961
Cytogenetics:	3q21
MW:	46.8 kDa