

Product datasheet for **RR202921**

Ttc22 (NM_001106671) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc22 (NM_001106671) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc22
Synonyms:	RGD1561518
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202921 representing NM_001106671
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGAGCCTGAGGCCGAGCTGAGGACCTGGACACACTTCTCGACGAACTGGACTATCTGCCTGGCC
 ACTTCCACTTGGAGATGCAGCTCAACTTCGAGCCGCGCTCACCCGCCAGCTGCGCGCCCGGACCTGAA
 GCTCCAGCGAGAGGGTCTGCGGCAGGAAGTGGAGCTGGTGGCCACCCCGAGCTGCCTGCTGTGCGTCA
 CTCTTGGGAGCCTTTTCCTTCTACCTGGAGGAGCTGGGTGATGCCCGGAGCATTTCCTGGAAGTGGCC
 GCAAAGACCTGGCAACCTCAACGCCTGGGCAATCTGGCACACGTCTACGGGAGCTGGCCAGGAGGA
 AGAGGAGAAAGCGTCCGCCGGGCGACTGGCCAGCCTTATGGGCTGGCAGGGGACCCGAGGATGCCCGA
 GACCCCGGCTCCGCGCTGCCGCTGCCTGGCGGAGCAGGGATATGCACATGGCTTCGACGTGGGCTGTG
 CCAGTCCAGAGGAGCGTCTCAGGTGCTGGAGGGGGCATCGACTCTACGACAAAGCGCTGGGCTACGG
 TCAGCAGATCCCGATAGAAGAGAAAAGGAGCTGGTACTTACCATGGCAACTCTTTCATCAGGCTGGAT
 GGCATCTTTCTGGAGATGGGCAGTGGAGGAGCAGAAAGGCTGCCAGCCTTCAACCGGACTCTGACCTGC
 TTGGGGAAGTCTCAAGTCTCAGACTCCCGACACCAAGCTCTGGCCTGGTGTATATTGGCATGCTACT
 GGAGAGGAAAGACACCTTCTCCACCACCCCATGGGTGTCCATGAATGTGGTACTCGGGACCGGAGCCC
 CTGGACTGCTTTGGCAAGGCTATTGAGATCGCCAAGAACCAGCCTCCCATCTGAATCGCCTGGCCAAAA
 TCTTCCACTTCTGGGAAAACAGGATATGGCCATAGGAACCTGCAACATGGCCCTGGCCGTGCTTACAGA
 CCCACAGCTCAACTGGCAGGCGTACTGCACCAGGGCAAGGTCCGAATCAGAGCCTATGTTTCATGACCTG
 GAACGTGCCAAGTGGGGCTCGGGGTATGCCTGACAGGAACACCTGGCCTGTGCCAAAGCTGACCTTG
 AGAAGTGGTCAAGGTGTGCCAGGCCTCAGGACCTACCTAGATATCAGTCAGTTTACTATTACATGGG
 CGTGGATGCCATGCGGGAGCTGCTGGCAGTGGATGAGGCTGCACTCAACCGGCTCTGCTTCTTCTGCG
 AAGGCTGGTGTGAGTGGAGCTAGGCAACACGCTACCCGAGCTGCAACTGTTGCGTGGCAAATGCTTACGAG
 TCCAGGGTGAAGACGCCAACGCTGCGACCTGCTTCAAGCGTGCAGTAGAACTGGATGACGAGGGATCCAG
 CCATACTGAGGGCTTCGGCTGCCTGCTCGAGGCACTGCTTGGCCAGTGGAGCCAGGCGCAGCTTAGCGAT
 GACGAGGTGGGGTGCAGGTGGACATCTGGCTGCGACATGCCAGAGCAAATATCCGGCAGCACGCCTGC
 GCCAAGAGCTGCAGCGTGTGTGGCTGGCCACACAGAAGATGCTCTGGGCTGGCTCGGGCCTTAGTAGG
 TCAGGGACGCCAGCATTGGTGGGCTGCTCTTGAGACCATGGAGCATGAGGGTGAAGACGCTGGAGTG
 CCATGCAAAGTGCAGCATCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202921 representing NM_001106671
 Red=Cloning site Green=Tags(s)

MTEPEAGAEDLDTLLDELDPGHFHEMQLNFEPSPAQLRARDLKLQREGLRQELELVATPQLPAVRH
 LLGAFSFLYEELGDAREHFLEVARKDPGNLNAWANLAHVYQQLGQEEEEASAGRLASLMGLAGDPEDAR
 DPRLRAARCLAEQYAHGFVGCASPEERAQVLEAGIALYDKALGYGQQIPIEEKRSWYFTMATLFI
 RLDGIFLEMGSSEQKRLPAFNRTLTLGVLKSSDSRHQALAWCYIGMLLERKDTFSTTPMGVHECGYSGTEP
 LDCFGKAIEIAKNQPPILNRLAKIFHFLGKQDMAIGTCNMALAVLTDPQLNWQAYCTRQVIRAYVHDL
 ERAKVGLGMPDRNHLACAKADLEEYVVKVCPGLRITYLDISQVYYMVDAMRELLAVDEAALNQALVFLA
 KAGLELGNLPELQLLRGKCLRVQGEDANAATCFKRAVELDDEGSSHTTEGFGCLLEALLAQWSQAQLSD
 DEVGCEVDIWLRLHAQSKYPAARLRQELQRVWRGHTEDVLGLARALVGQGRPALVRLLFETMEHEGEDAGV
 PCKSRASS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

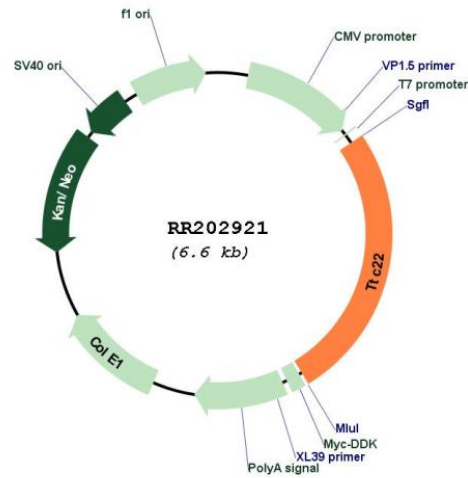
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001106671
 ORF Size: 1704 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_001106671.1 , NP_001100141.1
RefSeq Size:	2553 bp
RefSeq ORF:	1707 bp
Locus ID:	298300
Cytogenetics:	5q34
MW:	63.2 kDa