

Product datasheet for **RC224390**

TTC22 (NM_017904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC22 (NM_017904) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTC22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224390 representing NM_017904 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGGAGGCTGTGGCCGACGATCTAGACGCCCTCATCGACGACCTGGACTACCTCCCGGGCC
ACTTTCACCTGGAGATGCAGTTGAACTTCGAGCCGCGCTCGCCGGCCCCACAGCGCGCCCGGGACCTGAA
GCTGCAGCGGGAGGGTCTGCGGCAGGAGCTCCAGCTGGCGGCCGCCCGCAGCGCCCCGCTGTGCGTCAC
CTCCTGGGCGCTTTCGATTCTACCTGGAGGAGCTGGACGAGGCCCGAGTGCTTCCTCGAGGTGGCC
ACGAGCACCCGGCAACCTCAATGCCTGGCCAACTTGGCACACGTGTACGGCGGCTGGGCCAGGAAGA
AGAGGAGGAGGCGTGCGCCGACGCTGGCCGACCTCATGGGCCTGGCAGAGGAGCCGAGCCCGCCGGG
GACCCCAAGCTCCGCGCCGCTCGCTGCCTGGCCGAGCAGGGCTACGCGCATGGCTTCGACGTCGGCTGCG
CCAGCCCAGAGGAGCGTGCAGCGGGGCTGGCGGCAGGCATCGCGCTCTACGACAAGGCGCTAGGCTACGG
GCAGCAGATCCCAGTGGAGGAGAAAAGGGGCTGGTATTTACCATGGCAACTCTACATCAGGCTAGAT
GGCATCTTCTGGAGCTGGGCAGTGAGGAGCAGAAGAGACTGCCTGCCTCAACCGCAGCTGGCCCTAC
TCCGGCAAGTGTGAAGTCCGAGGACCCCGCCACCGAGCCCTGGCTGGTGTACTCTCGGGATGCTGCT
GGAGCGGAAGGACACCTTCTCCACCACCCCATGGCGTCCATGACTGCGGGTACTCAGGACCGACCCCT
CTAGACTGCTTCGCAAGGCCATTGAGATTGCCAAGAACCAACCTCCCATCCTGAATCGCCTGGCAAAAA
TCTTCTACTTCTGGAAAGCAGGATATGGCCATTGGAACCTGCAACATGGCCCTGGATGTCTACGAGA
TCCAGAGCTCAACTGGCAGGCGTACTGCACAAGGGCCAAGAGACGAGGTCTCACTATGTTGCCAGACTC
GTCTCAAACCTCTGGGCTCAAGCAGTCTCCACCTCGACCTCCCAAAGTGTGGAATTCAGGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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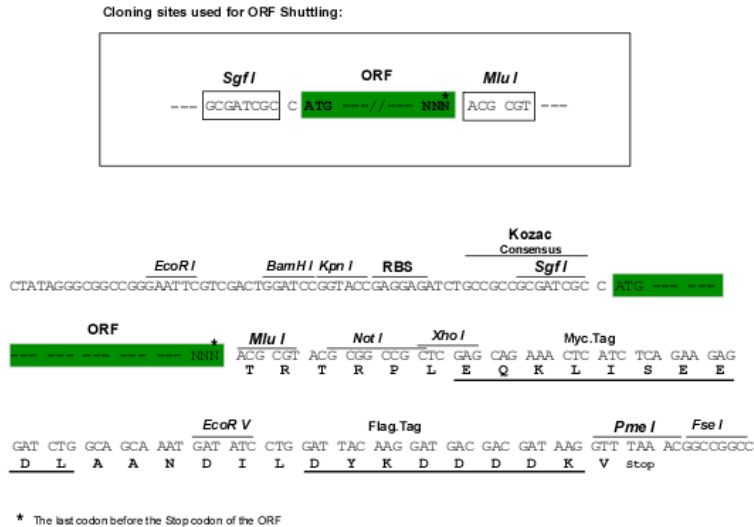
Protein Sequence: >RC224390 representing NM_017904
Red=Cloning site Green=Tags(s)

MAELEAVADDLDALIDDLDPGHFHEMQLNFEPSPAPQRARDLKLQREGLRQELQLAAAPQRPVVRH
 LLGAFAYLEELDEARECFLEVAHEHPGNLNAWANLAHVYGRLGQEEEEACAARLADLMGLAEEPEAAG
 DPQLRAARCLAEQYAHGFVGCASPEERARGLAAGIALYDKALGYGQQIPMEEKRGWYFMTATLYIRLD
 GIFLELGSEEQKRLPAFNRTLALLRQVLKSEDPHRALAWCYLGMILLERKDTFSTTPMGVHDCGYSGTDP
 LDCFGKAIEIAKNQPPILNRLAKIFYFLGKQDMAIGTCNMALDVLDPPELNWQAYCTRARRRGLTMLPRL
 VNSWAQAVLPPRPPKVLEFQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017904

ORF Size: 1116 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:

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_017904.3](#), [NP_060374.2](#)

RefSeq Size: 2249 bp

RefSeq ORF: 1119 bp

Locus ID: 55001

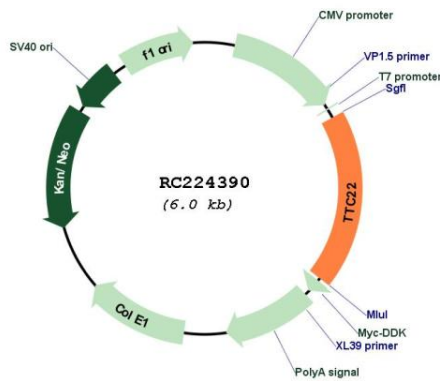
UniProt ID: [Q5TAA0](#)

Cytogenetics: 1p32.3

MW: 41.8 kDa

Gene Summary: This gene encodes a protein with seven tetratricopeptide (TPR) repeats. Tetratricopeptide repeat containing motifs are found in a variety of proteins and may mediate protein-protein interactions and chaperone activity. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2011]

Product images:



Circular map for RC224390