

Product datasheet for **RG224390**

TTC22 (NM_017904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC22 (NM_017904) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224390 representing NM_017904 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGGAGGCTGTGGCCGACGATCTAGACGCCCTCATCGACGACCTGGACTACCTCCCGGGCC
ACTTTCACCTGGAGATGCAGTTGAACTTCGAGCCGCGCTCGCCGGCCCCACAGCGCGCCCGGACCTGAA
GCTGCAGCGGGAGGGTCTGCGGCAGGAGCTCCAGCTGGCGGCCCGCCCGCAGCGCCCGCTGTGCGTCAC
CTCCTGGGCGCTTTCGATTCTACCTGGAGGAGCTGGACGAGGCCCGGAGTGCTTCCTCGAGGTGGCC
ACGAGCACCCGGCAACCTCAATGCCTGGGCAATCTGGCACACGTGTACGGCGGCTGGGCCAGGAAGA
AGAGGAGGAGGCGTGCGCCGACGGCTGGCCGACCTCATGGGCCTGGCAGAGGAGCCGAGCCCGCCGGG
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CCAGCCCAGAGGAGCGTGCAGCGGGGCTGGCGGCAGGCATCGCGCTCTACGACAAGGCGCTAGGCTACGG
GCAGCAGATCCCAGTGGAGGAGAAAAGGGGCTGGTATTTACCATGGCAACTCTACATCAGGCTAGAT
GGCATCTTCTGGAGCTGGGCGAGTGGAGCAGAAGAGACTGCCTGCCTCAACCGCAGCTGGCCCTAC
TCCGGCAAGTGTGAAGTCCGAGGACCCCGCCACCGAGCCCTGGCTGGTGTACTCTCGGGATGCTGCT
GGAGCGGAAGGACACCTTCTCCACCACCCCATGGGCGTCCATGACTGCGGGTACTCAGGGACCGACCT
CTAGACTGCTTCGCAAGGCCATTGAGATTGCCAAGAACCAACCTCCCATCCTGAATCGCCTGGCAAAAA
TCTTCTACTTCTGGAAAGCAGGATATGGCCATTGGAACCTGCAACATGGCCCTGGATGTCTACGAGA
TCCAGAGCTCAACTGGCAGGCGTACTGCACAAGGGCCAAGAGACGAGGTCTCACTATGTTGCCAGACTC
GTCTCAAACCTCTGGGCTCAAGCAGTCTCCACCTCGACCTCCCAAAGTGTGGAATTCAGGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224390 representing NM_017904
 Red=Cloning site Green=Tags(s)

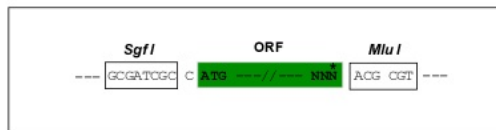
MAELEAVADDLDALIDDLDYLPGFHLEMQLNFEPRSPAPQRARDLKLQREGLRQELQLAAAPQRPVVRH
 LLGAFAYLEELDEARECFLEVAHEHPGNLAWANLAHVYGRLGQEEEEACAARLADLMGLAEEPEAAG
 DPQLRAARCLAEQYAHGFDVGCASPEERARGLAAGIALYDKALGYGQQIPMEEKRGWYFMTATLYIRLD
 GIFLELGSEEQKRLPAFNRTLALLRQVLKSEDPHRALAWCYLGMLLERKDTFSTTPMGVHDCGYSGTDP
 LDCFGKATIEIAKNQPPILNRLAKIFYFLGKQDMAIGTCNMALDVLDPPELNWQAYCTRARRRGLTMLPRL
 VNSWAQAVLPPRPPKVLEFQV

TRTRPLE - GFP Tag - V

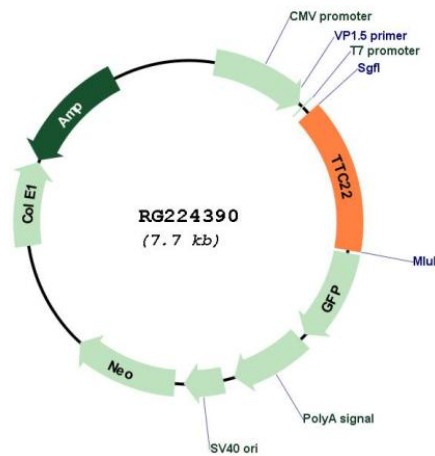
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_017904.3 , NP_060374.2
RefSeq Size:	2249 bp
RefSeq ORF:	1119 bp
Locus ID:	55001
UniProt ID:	Q5TAA0
Cytogenetics:	1p32.3
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]