

Product datasheet for **RC225421**

TTC24 (NM_001105669) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TTC24
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225421 representing NM_001105669
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTTCCCCAACCTGAGGATGTGCCCGGAGGCCAGAACCTGAGCCCTCAAGCTCCAATAAGAAAA
 AGAAGAAAAGAAAGTGGCTGCGGCAAGAAGCCAGCATCCAAGCCCTCACCAGGGCTGGCCATGGGGCCCT
 TCAGGCTGGCCAGAACCATGAAGCCTTGAACAACCTCCAGAGGGCCTTCTTCTGGCCTCCAAGGCCCA
 CAAACCAGGGATACCCCTGTGCTCCAGGCTGCGCCTTCAACCTGGGGGCTGCCTATGTGGAGACTGGGG
 ACCCAGCCAGAGGCCTTGAGCTACTCTGCGAGCCACCCTGAAGAGAAGGCACAGGGCAGGCGACACGG
 CGACCAATGTTTCAATGTGGCTTTGGCCTACCATGCCCTCGGCGAGCTGCCTCAAGCTTTGGCCTGGTAC
 CACAGGGCCCTGGGCACTACCAGCCACAGGGTGACCAGGAGAAGCCTGGGCAAAAATGGAGCCTGCT
 ACCAGGCTCTGGGACAGCCTGAGCTAGCAGCCCACTGCCTGCAGGAAGCAAGCCAGGCCTATGCTCAAGA
 GAGACAGCTGCGGGCCGAGCCCTGGCACTGGGGGCTGCGGAGGATGTATGCTGAAGAGTGGCGGCAT
 CGGGTGGGGGAAGTTGTGAGGTGCTGGAGAAAAGCCGGAGGCTTGCCGAGAGGAGCACTGAGAGGCGAC
 TGCTGGGGCACCTCTATAACGATCTAGGCTGGGCTACTCCAGCTCCAGCTGTTCCCGCTGGCCGTGGA
 GGCTTCTGTCAGGCCCTGCCCTGTGCTGGGTGCCAGGAGAGCAGGCCACAGTGCTAAGAAACCTCGGG
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 GGACAGTGGCAGGCCTGTGAGGGTCTGGGGGCTGCTGCAGCCAGGCTGGGGCAGTATGACCAGGCCTTGA
 AGTACTATAAGGAAGCACTGGCCAGTGTGAGAAGGAGCCAGATTCTGTGCGAGAACGGCTGGTGCCAA
 GCTGGCAGACACCGTGAGGACGCGCTTGGCCAGGTGGGGCTGGTCCAGACTCACACCCTGACTTCGGCT
 CCGGGAAGACTCCAGGCTCCAGGTGGGGCCAGCCAGGCGGAGGGGACCCAGCAAGGCAGGAAGCAGCA
 CAGCAGGTGTCCAGCACAGATCTTCCAGTGGGTGGGAAGATGAAGAGTTTGAGGAGGGCCACCAGAAGAA
 AAAAGAGGAGAGGTGCGCAACGTTCCGGTGGGGCTGGGCCGGAAGACCAGAGCTGTGTTTCTTCCA
 GGCACAGTGAATCATTGCAACCATCTAGCTTCTAGTTGCCCCACGTTTACCAAGCACACGCCCTGCAGAG
 GGACAGTCTCGGCAAGCCTCCATCTATAGTCCAGGACCCAGGGCCCATCTTCCATTTGAGGTCCAGG
 CCCTCCAGAGCGGAGTACCCTAGCATCTTGGTACCAATGGCCCTCAAGCCAATAGGTATCCAGGTGG
 CCCAGGGAAGCCTCAGCAGGAGCCGCCAGAGGAGACCCATGGAGTCGGGCATCTGCACTATTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225421 representing NM_001105669
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MSSPNPEDVPRRPEPEPSSSNKKKKRKLRLQEAISIQALTRAGHGALQAGQNHEALNNFQRAFLASKAP
 QTRDTPVLQACAFNLGAAYVETGDPARGLELLRAHPPEKAQGRRHGDQCFNVALAYHALGELPQALAWY
 HRALGHYQPQGDQGEAWKMGACYQALGPPELAHCLQEASQAYAQERQLRAAALALGAAAGCMLKSGRH
 RVGEVVQVLEKSRRLAERSTERRLLGHLYNLGLGYSQQLFPLAVEAFLQALPLCWVPGEQATVLRNLG
 MAHNALGNYQEAREFHQKAADLHGSVGRWEQGRSFGSLAFALSQLGDHKAARDNYLHALQAARDSGDMK
 GQWQACEGLGAAARLQYDQALKYYKEALAQCKEPDSVRERLVAKLADTVRTRLAQVGLVQHTLTS
 PGRLQAPGGASQAEGTPAKAGSSTAGVQHRSSGWEDEEFEEGHQKKKEERSANVPVRAGPGRPELCFLP
 GTVNHSHHLASSCPTFTKHTPCRGTVLGKASIYSPGPRAHLFPVGPMPRAEYPSILVPNGPQANRSSRW
 PRESLSRSRQRRPMEGICTIV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8033_dll.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105669

ORF Size: 1746 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:

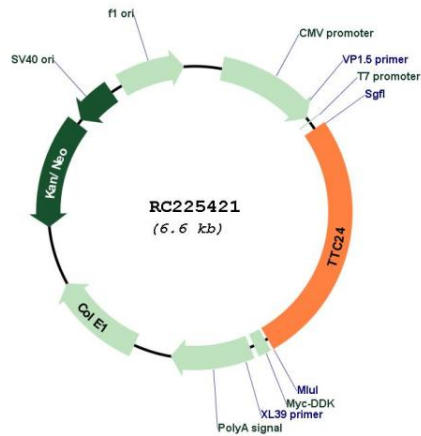
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001105669.4](#)

RefSeq ORF:	1749 bp
Locus ID:	164118
UniProt ID:	<u>A2A3L6</u>
Cytogenetics:	1q22
MW:	63.2 kDa

Product images:



Circular map for RC225421

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate