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Product datasheet for RC220249

TTC9 (NM_015351) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC9 (NM_015351) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTC9
Synonyms:	TTC9A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC220249 representing NM_015351
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAGAAAGGGCTCGGCGGCCGGGGCCAAGGGGAACCCGAGCCCGCCCGCGGCCGGAGAGGGGCAGC
GGCCACCGCCGCCGCTGTGCGTCCCGGGCGGCGGCGGAGGAGCCCCAGCGAGGGGCCAGGTCGGGGCGGC
GGCCGAGCCGGCCGAGCTCATCCGACGAGCGCACGAGTTCAAAAGCCAAGGGGCGCAGTGCTACAAGGAC
AAGAAATTCCGTGAAGCCATAGGCAAATACCACCGGGCGTTGCTGGAGCTGAAGGGGCTGCTGCCGCCCC
CCGGGGAACGGGAGCGGGACTCGCGCCCGGCCTCCCCGGCTGGGGCCCTGAAGCCCGGCCGCCTCTCGGA
GGAGCAGAGCAAGACGGTGGAAGCCATCGAGATCGACTGTTACAACAGCCTGGCAGCCTGCCTGCTCCAG
GCTGAGCTGGTAAACTATGAACGAGTCAAGGAATATTGCCTCAAAGTCTTGAAGAAGGAAGGGGAGAACT
TCAAGGCCCTTTACCGGTCTGGTGTGGCCTTCTACCACCTTGGGGACTATGACAAAGCACTCTACTACCT
GAAAGAAGCAAGGACCCAACAACCAACAGACACCAACGTGATTCGGTATATCCAGCTGACGGAGATGAAA
CTCAGCCGATGCTCCCAGAGAGAAAAAGAAGCCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC220249 representing NM_015351
Red=Cloning site Green=Tags(s)

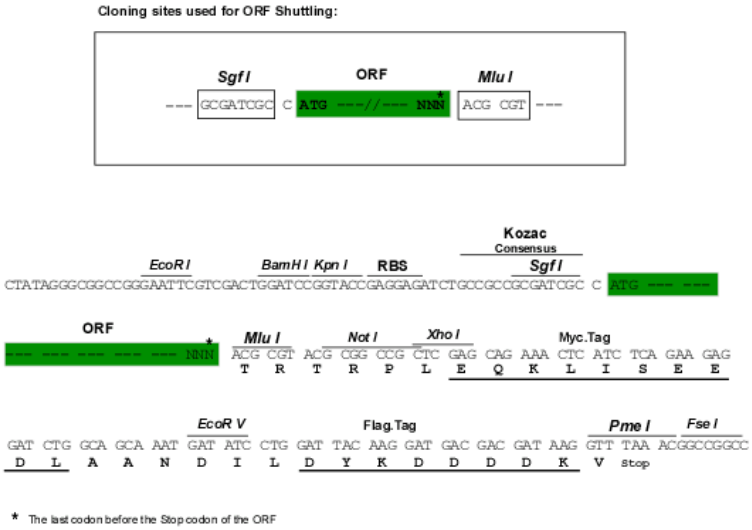
MERKGSAAGAKGNPSPPAAGEGQRPPPPLCVPGGGGGAPARGQVGAAAEPAELIRRAHEFKSQGAQCYKD
KKFREAIGKYHRALLELKGLLPPPGERERDSRPASPAGALKPGRLSEEQSKTVEAIEIDCYNSLAACLLQ
AELVNYERVKEYCLKVLKKEGENFKALYRSGVAFYHLGDYDKALYYLKEARTQQPTDTNVIRYIQLTEMK
LSRCSQREKEAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015351

ORF Size: 666 bp

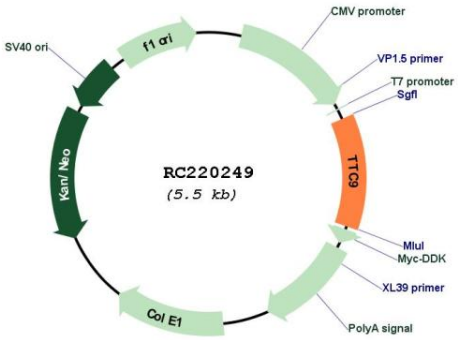
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

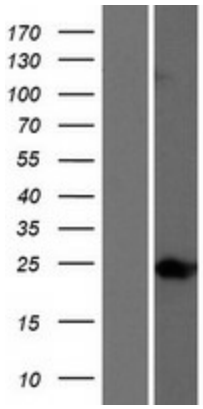
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_015351.2
RefSeq Size:	5217 bp
RefSeq ORF:	669 bp
Locus ID:	23508
UniProt ID:	Q92623
Cytogenetics:	14q24.2
MW:	24.2 kDa
Gene Summary:	This gene encodes a protein that contains three tetratricopeptide repeats. The gene has been shown to be hormonally regulated in breast cancer cells and may play a role in cancer cell invasion and metastasis. [provided by RefSeq, Mar 2009]

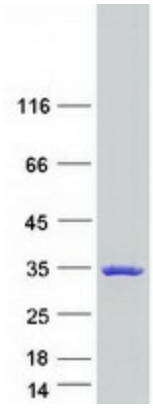
Product images:



Circular map for RC220249



Western blot validation of overexpression lysate (Cat# [LY414611]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220249 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TTC9 protein (Cat# [TP320249]). The protein was produced from HEK293T cells transfected with TTC9 cDNA clone (Cat# RC220249) using MegaTran 2.0 (Cat# [TT210002]).