

Product datasheet for **RC231341**

ARPC4-TTLL3 (NM_001198793) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARPC4-TTLL3 (NM_001198793) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARPC4-TTLL3
Synonyms:	ARC20; ARPC4; p20-ARC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC231341 representing NM_001198793
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGCCACTCTCGCCCTACCTGAGTGCCGTGCGGGCCACATTGCAGGCTGCCCTCTGCCTGGAGA
 ACTTCTCCTCCAGGTTGTGGAACGACACAACAAGCCGGAAGTGAAGTCAAGAGTAGCAAAGAGCTCCT
 GTTACAACCTGTGACCATCAGCAGGAATGAGAAGGAAAAGTTCTGATTGAGGGCTCCATCAACTCTGTC
 CGGGTCAGCATTGCTGTGAAACAGGCTGATGAGATCGAGAAGATTTTGTGCCACAAGTTCATGCGTTCA
 TGATGATGCGAGCAGAGAAGTCTTTATCCTTCGAAGGAAGCCTGTGGAGCAGAAGAAGTCTTTACAAT
 CCAAGGCTGCTACCCGGTATCCGGTGTCTTTGCGCCGAGGGGCTGGTGGAGAAGAAGATGGTCCAT
 CGCTCAGGCCCCACCCTGCTGCCACCCAGAAGGATCTGGATAGCTCAGCGATGGGTGACAGTGACACCA
 CTGAGGATGAGGATGAAGATGAGGACGAGGAGTCCAGCCATCACAGCTGTTGACTTCGATGATTTACT
 GAAATTTGATGACCTAGATGGAACACATGCTCTGATGGTGGGCTATGTCTCAATCTCCGGAATTTGCCG
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 AAGCCTTCATAGGAGACAAGCAGCCAAAGAAAACAGGAGAAAAACCCAGTGTGGTGTCCCCAGAGTTTGT
 GGATGAAGCTCTGTGTGCGTGCAGGAGTACCTTAGCAACTTGGCCACATGGACATCGACAAGGACCTG
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 GTTCCAGGCCACCTGCAGGAGATGGGTGCCCAAATGCTTGGTCCACCATCATCGTGCCTGGCATGAAG
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 GGCACCCTCCACAGCAGTCACTGCCGGCTCTGTGCTGGCGTGAAGCTGACACCCTGCGCGTGGTCAAT
 GACCGGATGCTGGACCGCAACTGTGACACAGGAGCCTTTGAGCTCATCTATAAGCAGCCCGTCAACTT
 CCCAGCCTCCACACCAAGGCCAGCTGCCTTCTCCCATGTACTCCGACACCAGGGCCAGGTCTCTCAGA
 CGACAGCACAGCAAGCTGGTGGGCACTAAGGCCCTGTCGACCACAGGCAAGGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231341 representing NM_001198793
 Red=Cloning site Green=Tags(s)

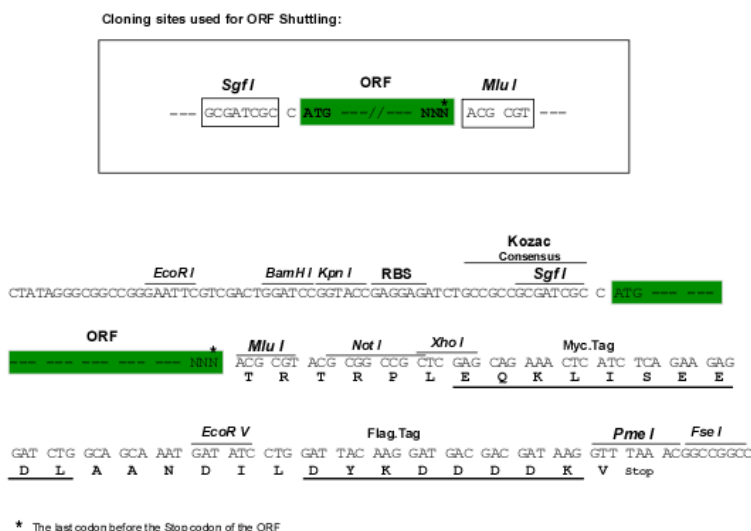
MTATLRPYLSAVRATLQAALCLENFSSQVVERHNKPEVEVRSSKELLLQPVTISRNEKEKVLIEGINSV
 RVSIAVKQADEIEKILCHKFMRFMMRAENFFILRRKPVEQKKIFTIQGCYPVIRCLRRRGWVEKMMVH
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 WFDEVDANSFFPRCYCLGAEDDKKAFIGDKQPKQEKNPVLSPEFVDEALCACEEYLSNLAHMDIDKDL
 EAPLYLTPEGWSLFLQRYQVVEGAELRHLDTQVQRCEILQQLQAVVPQIDMEGDRNIWIKPGAKSR
 GRGIMCMDHLEEMLKLVNGNPVVMKDGKVVQKYEIERPLLI FGTKFDLRQWFLVTDWNPLTVWFYRDSYI
 RFSTQPFSLKNLNSVHLCNNSIQKHLENSCHRHP LLPDNMWSQRFAHLQEMGAPNAWSTIIVPGMK
 DAVIHALQTSQDTVQCRKASFELYGADFVFGEDFQPWLEINASPTMAPSTAVTARLCAGVQADTLRVVI
 DRMLDRNCDTGAFELIYKQPVTTSASTPRPSCLLPMYSDTRARSSDDSTASWWALRPCRQPARP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1398_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001198793

ORF Size: 1875 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_001198793.1](#), [NP_001185722.1](#)

RefSeq ORF: 1878 bp

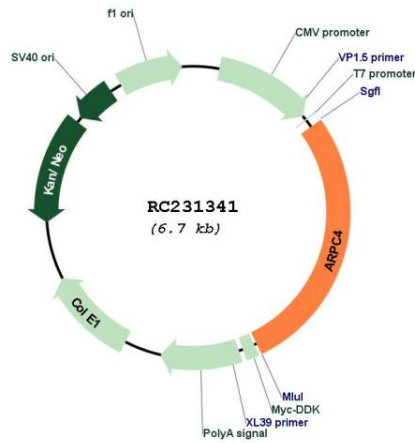
Locus ID: 100526693

Cytogenetics: 3p25.3

MW: 72.2 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring ARPC4 (actin related protein 2/3 complex, subunit 4) and TTLL3 (tubulin tyrosine ligase-like family, member 3) genes. The read-through transcript encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RC231341