

Product datasheet for **RC200291**

TELO2 (NM_016111) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TELO2
Synonyms:	CLK2; TEL2; YHFS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC200291 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCCAGCACCTCAGAGGTTGACTCGCCGTCCGGGAAGCCATTCATGCCCTCTCGTCTTCGGAGG
 ATGGCGGCCACATCTTCTGCACCCTGGAGTCCCTGAAGCGGTATCTCGGTGAGATGGAGCCTCCAGCGCT
 CCCGAGGGAGAAGGAGGAGTTTGCCTCGGCCCACTTCTCGCCTGTCTCAGATGTCTTGCCAGCAGGCTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200291 protein sequence
 Red=Cloning site Green=Tags(s)

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MEPAPSEVRLAVREAIHALSSSEDGGHIFCTLES LKRYLGEMEPPALPREKEEFASAHFSPVLRCLASRL
SPAWLELLPHGRLEELWASFFLEGPADQAFVLVLMETIEGAAGPSFRLMKMARLLARFLREGRLAVLMEAQ
CRQQTRPGFILLRETL LGKVVALPDHLGNRLQQENLAFFPQNYFRLLGEEVVRVLQAVVDSLQGGDSS
VSFVSQVLGKACVHGRQQEILGVLVPRLAALTQGSYLHQRVCWRLVEQVPDRAMEAVLTGLVEAALGPEV
LSRLLGNLVVKNKKAQFVMTQKLLFLQSRLTTPMLQSLLGHLAMDSQRRPLLLQVLKELLE TWGSSSAIR
HTPLPQQRHVSKAVLICLAQLGEPELRDSRDELLASMMAGVKCRLDSSLPVRR LGMIVAEVVSARIHPE
GPPLKFQYEEDELSLELLALASPQAGDGASEAGTSLVPATAEPPAETPAEIVDGGVPQAQLAGSDSDLD
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LHLEEKTCVVGFAGLRQRALVAVTVTDPAPVADYLT SQFYALNYS LRQMDILDVLT LAAQELSRPGCLG
RTPQPGSPSPNTPCLPEAAVSQPGSAVASDWRVVVEERIRSKTQRLSKGGPRQGPAGSPSRFNSVAGHFF
FPLLQRFRDPLVTFDLLGEDQLVLGRLAHTLGALMCLAVNTTVAVAMGKALLEFVWALRFHIDAYVRQGL
LSAVSSVLLSLPAARLLEDLMDELLEARSWLADVAEKDPDEDCRTLALRALLLLQRLKNRLLPPASP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6237_c03.zip

Restriction Sites:

SgfI-MluI

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_016111.2](#)

RefSeq Size: 3338 bp

RefSeq ORF: 2514 bp

Locus ID: 9894

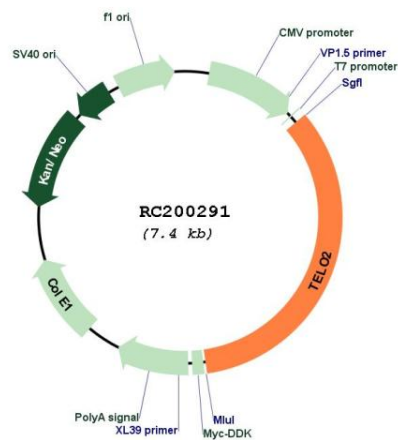
UniProt ID: [Q9Y4R8](#)

Cytogenetics: 16p13.3

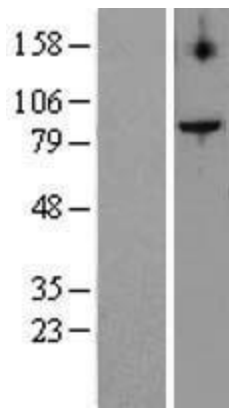
MW: 91.8 kDa

Gene Summary: This gene encodes a protein that functions as an S-phase checkpoint protein in the cell cycle. The protein may also play a role in DNA repair.[provided by RefSeq, Mar 2009]

Product images:



Circular map for RC200291



Western blot validation of overexpression lysate (Cat# [LY414184]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200291 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TELO2 protein (Cat# [TP300291]). The protein was produced from HEK293T cells transfected with TELO2 cDNA clone (Cat# RC200291) using MegaTran 2.0 (Cat# [TT210002]).