

Product datasheet for RC200918

TP53I13 (NM_138349) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TP53I13 (NM_138349) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: TP53I13
 Synonyms: DSCP1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC200918 representing NM_138349
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGCCTCCTCCGCTTCGCCCAACTGCTTCTCCTGGCAGCCCTCGCGAGGCTCCTGGGTCCCAGCG
 AGGTGATGGCTGGACCGGCGGAGGAGGCCGGAGCCATTGTCCCAGAGCCTGTGGCTCTGCCTCCGCA
 GGTGTACCAAGAGTGACCTACACAGAGTGAGCCAGGGCAGGCTGAGGATGTCACCTTCTCTACCAC
 CCCTGTGCCATCCCTGGCTGAAGCTCCAGCTTCCCTCCTGGCCTATGCTTGTATGGCTAACCTTCCC
 TACCCCTGACTTCAGCCTCACGCAGGATCGGCCCTGGTGTGACTGCATGGGGCTGGCGCTGGAGAT
 GGCTGGGTAGAGCCAGCCTGGGCTGCCACTGGCTGATGAGGAGCGGAGGAGGAAGCAGAGGAAGAAG
 AAGGCATGGATCTACTGTAAAGCCTTTCAGGGCTGCTCCCTCCGAGCCAACTCCCGGTAGAGGGAGGC
 TGTGCCGAAGAGGGTGTGTGCAGGCCCTGGCTCTGGCCTTTGCTCTGCGGAGCTGGCGGCCCTGGCAC
 AGAGGTGACATCTCAAGGGCCAGGCAGCCCTTCTAGTGGTGCCAAGAGGGCGGAGGCTGCGGGCTGCC
 CTTGGTCCCAGCCACTCGCTCAGCCCTGAGGTTTCCCTCTGCTTCCCAGGGAGCTTGAAGGCCAAGC
 AGTCCATGGCGGGAATCCCTGGTAGGGAGAGTAATGCCCATCTGTGCCACTGTCTCCCTGCTGCCGG
 GGCGCTGGAGGCAATGCCAGCTCCAGGACAGAGGCTCAGGTGCCAACGGGCAAGGCAGCCAGGGGGC
 TGTGTCTGTTCAAGTCAGGCTTCCCGGCCCTCGCGCAGCAGCGCTCCACGGGAGCCCGGGCCCCCA
 CCCACGCACTGAAGAGGCCCTGGGCTGCCATGGCCCTGACCTTCTGCTGGTGTGCTCACCCTGGC
 CACGCTCTGCACACGGCTGCACAGAAACTCCGACGCGGGGAGAGCATCTACTGGGGGCCACAGCGGAC
 AGCCAGGACACAGTGGCTGCTGTGCTGAAGCGGAGGCTGCTGCAGCCCTCGCGCCGGGTCAAGCGCTCG
 GCCGAGACCCCTCCTCCGCCACGCCGACAGCGGCCCGGAAGGCAGAGCTCGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RC200918 representing NM_138349
Red=Cloning site Green=Tags(s)

MAPPPSPQLLLLAALARLLGPSEVMAGPAEEAGAHCPESLWPLPPQVSPRVTYTRVSPGQAEDVTFLYH
 PCAHPWLKQLALLAYACMANPSLTPDFSLTQDRPLVL TAWGLALEMAWVEPAWAHWMRRRRRKQRKK
 KAWIYCESLSGPAPSEPTPGRGRLCRRGCVQALALAFALRSWRPPGTEVT SQGPRQPSSSGAKRRRLRAA
 LGPQPTRSALRFPSASPGSLKAKQSMAGIPGRESNAPSVPVTVSLLPGAPGGNASSRTEAQVPNGQSPGG
 CVCSSQASAPRAAAPRAARGPTPRTEEAWAAMALTFLLVLLTLATLCTRLHRNFRRGESIYWGPTAD
 SQDTVAAVLKRLLQPSRRVKRRRRRPLLPPTDSGPEGESSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2620_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138349

ORF Size: 1179 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_138349.4](#)

RefSeq Size: 1478 bp

RefSeq ORF: 1182 bp

Locus ID: 90313

UniProt ID: [Q8NBR0](#)

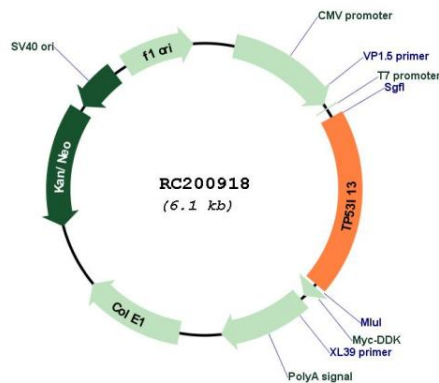
Cytogenetics: 17q11.2

Protein Families: Transmembrane

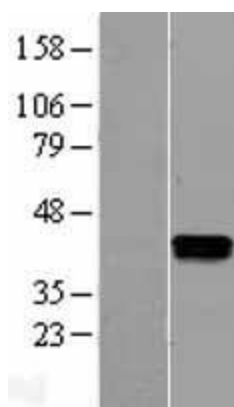
MW: 42.1 kDa

Gene Summary: May act as a tumor suppressor. Inhibits tumor cell growth, when overexpressed. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200918



Western blot validation of overexpression lysate (Cat# [LY403349]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200918 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).