

Product datasheet for **RG200918**

TP53I13 (NM_138349) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TP53I13
Synonyms:	DSCPI
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG200918 representing NM_138349
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGCCTCCTCCGCCTTCGCCCCAACTGCTTCTCCTGGCAGCCCTCGCGAGGCTCCTGGGTCCCAGCG
AGGTGATGGCTGGACCGCGGAGGAGGCGGGAGCCATTGTCCCGAGAGCCTGTGGCCTCTGCCTCCGCA
GGTGTACCAAGAGTGACCTACACACGAGTGAGCCAGGGCAGGCTGAGGATGTCACCTTCTCTACCAC
CCCTGTGCCATCCCTGGCTGAAGCTCCAGCTTGCCCTCCTGGCCTATGCTTGTATGGCTAACCTTCCC
TCACCCTGACTTCAGCCTCACGCAGGATCGGCCCTGGTGCTGACTGCATGGGGGCTGGCCTGGAGAT
GGCCTGGGTAGAGCCAGCCTGGGCTGCCACTGGCTGATGAGGAGCGGAGGAGGAAGCAGAGGAAGAAG
AAGGCATGGATCTACTGTAAAGCCTTTCAGGGCTGCTCCCTCCGAGCCAACCTCCGGTAGAGGGAGGC
TGTGCCGAAGAGGGTGTGTGCAGGCCCTGGCTCTGGCCTTTGCTCTGCGGAGCTGGCGGCCCTGGCAC
AGAGGTGACATCTCAAGGGCCAGGCAGCCCTCTTCTAGTGGTGCCAAGAGGCGGAGGCTGCGGGCTGCC
CTTGGTCCCCAGCCACTCGCTCAGCCCTGAGGTTCCCTCTGCTTCCCCAGGAGCTTGAAGGCCAAGC
AGTCCATGGCGGAATCCCTGGTAGGGAGAGTAATGCCCCATCTGTGCCACTGTCTCCCTGCTGCCGGG
GGCGCCTGGAGGCAATGCCAGCTCCAGGACAGAGGCTCAGGTGCCCAACGGGCAAGGCAGCCAGGGGGC
TGTGTCTGTTCAAGTCAGGCTTCCCGGCCCTCGCGCAGCAGCGCTCCACGGGCAGCCCGGGGCCCA
CCCCACGCACTGAAGAGCCGCTGGGCTGCCATGGCCCTGACCTTCTGCTGGTGCTGCTACCCCTGGC
CAGCTCTGCACACGGCTGCACAGAACTCCGACGCGGGGAGAGCATCTACTGGGGGCCACAGCGGAC
AGCCAGGACACAGTGGTGCTGTGCTGAAGCGGAGGCTGCTGCAGCCCTCGCGCGGTCAAGCGCTCGC
GCCGAGACCCCTCTCCGCCACGCCGACAGCGGCCGGAAGGCGAGAGCTCGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



Protein Sequence: >RG200918 representing NM_138349
Red=Cloning site Green=Tags(s)

MAPPPSPQLLLLAALARLLGPSEVMAGPAEEAGAHCPESLWPLPPQVSPRVTYTRVSPGQAEDVTFLYH
PCAHPWLKLQALLAYACMANPSLTPDFSLTQDRPLVLTAWGLALEMAWVEPAWAAHWMRRRRRKQRKK
KAWIYCESLSGPAPSEPTPGRGRLCRRGCVQALALAFALRSWRPPGTEVTSQGPRQPSSSGAKRRRLRAA
LGPQPTRSALRFPASPGSLKAKQSMAGIPGRESNAPSVPTVSLLPGAPGGNASSRTEAQVPNGQSGPGG
CVCSSQASPAPRAAAPRAARGPTPRTEEAWAAMALFLLVLLTLATLCTRLHRNFRRGESIIYWGPTAD
SQDTVAAVLKRRLLQPSRRVKRSRRRPLLPPTPDSGPEGESSE

TRTRPLE - GFP Tag - V

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

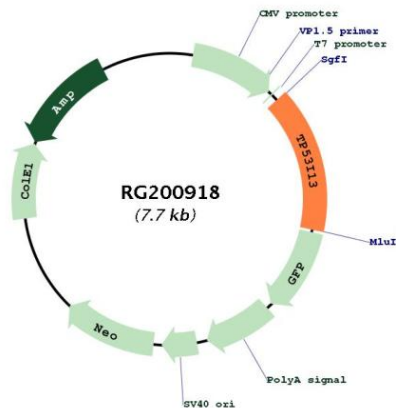
UniProt ID: [Q8NBR0](#)

Cytogenetics: 17q11.2

Protein Families: Transmembrane

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

Product images:



Circular map for RG200918