

## Product datasheet for **RC207754**

### TP53TG5 (NM\_014477) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TP53TG5 (NM_014477) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TP53TG5
Synonyms:	C20orf10; CLG01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207754 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGTCCATCAGCAAAGAAGAGGCCCAAGAACAGCAGGGTTTCCAAGATGCAAGATGAGAACTGCGGG  
ACGAGACAGAGCAGCCTGTGAGCAAAGTAATTGAGCGGAACCGTCTGAGAACGGTGTAAAAAATTGTC  
GCTCTTGAAGCTACTCAAGAGCTCAAACCGCCGGATCCAAGAAGTGCATAAGCTGGCCAAAAGGTGTTGG  
CATTCACTGCTCAGTGTCCAAAGATTCTCCGCATCTCCTCTGGGGAAAACAGTGCCTGCAATAAAACAA  
AACAAAATAATGAAGAGTCCAGGAGATCGGGTCTCCGAGAAGGAAGTCAAGTCCAAGAAATTAGAGTC  
CACAGGGGACCCTAAGAAAAAGAGTACAAGGAGTGGAAGTCCCAGGTGCAGTCAGGGATGAGGAACAAG  
GAGAAAACGTCATTGGCCGCAATGCCACGAAAAGAAAAGCATATAGAGCCTGAGGTTCCAAGGACATCGA  
GGGATGATAGCTTGAACCCTGGAGTCCAGGGGAGGCAACCACTCACCGAGGGCCCCCGAGTCATCTTCAT  
TAAGCCCTACCGCAATAGAACTCCCATGGGGCAGATGAAGCAGCTGGATGTAGCCGACAGTGGATCTGG  
TTTGGGGGCTGCCACAGAAATCCACCTCCCGGCGCCAGGGTGTGTGCAGATCTCCACCCTGCGTT  
GGGTCAAGCGCCGCTGCACCCGCTTCTGCTCCGCATCACTTGAATGCCTATGTGGCATCCATACAAGGT  
TGATGTGACCTGGACGAGAGCCAGAGGTGCGAGCAGAGGGTGGAGATCGCGCCATCAGCTGAAGGGGAGG  
AATGGTGGCGAAATTCACGAGTCTACAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC207754 protein sequence  
Red=Cloning site Green=Tags(s)

MSPSAKKRPKNSRVSKMQDEKL RDETEQPVSKVIERNLRTVLK NL SLLKLLKSSNRRIQELHKLAKRCW  
 HSLLSVPKILRISSGENSACNKTKQNNEEFQEIGCSEKELKSKKLESTGDPKKKEYKEWKSQVQSGMRNK  
 EKTSLAAMP RKEKHIEPEVPRTSRDDSLNPGVQGRQPLTEGPRVIFIKPYRNRTPMGHMKQLDVADQWIW  
 FEGLPTRIHLPA PRVMCRSSTLRWVKRRCRTRFCASLEMPMWHYPYKVDVTWTRARGASRGWRSRHLKGR  
 NGWRNSRVYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6337\\_b02.zip](https://cdn.origene.com/chromatograms/mk6337_b02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014477

**ORF Size:** 870 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\\_014477.3](#)

**RefSeq Size:** 995 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 27296

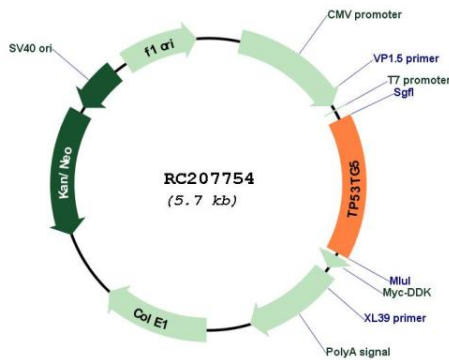
**UniProt ID:** [Q9Y2B4](#)

**Cytogenetics:** 20q13.12

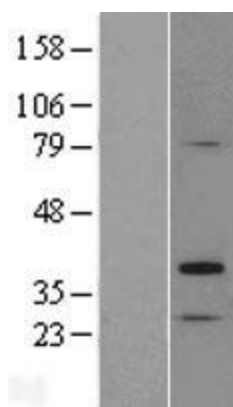
**MW:** 34 kDa

**Gene Summary:** May play a significant role in p53/TP53-mediating signaling pathway.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC207754



Western blot validation of overexpression lysate (Cat# [LY415236]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207754 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).