

Product datasheet for **RG207754**

TP53TG5 (NM_014477) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TP53TG5 (NM_014477) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TP53TG5
Synonyms:	C20orf10; CLG01
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207754 representing NM_014477 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTCCATCAGCAAAGAAGAGGCCCAAGAACAGCAGGGTTTCCAAGATGCAAGATGAGAACTGCGGG
ACGAGACAGAGCAGCCTGTGAGCAAAGTAATTGAGCGGAACCGTCTGAGAACGGTGTTAAAAAATTGTC
GCTCTTGAAGCTACTCAAGAGCTCAAACCGCCGGATCCAAGAACTGCATAAGCTGGCCAAAAGGTGTTGG
CATTCACTGCTCAGTGTTCCAAAGATTCTCCGCATCTCCTCTGGGAAAAACAGTGCCTGCAATAAAACAA
AACAAATAATGAAGAGTTCCAGGAGATCGGGTGCTCCGAGAAGGAACTCAAGTCCAAGAAATTAGAGTC
CACAGGGGACCCTAAGAAAAAGAGTACAAGGAGTGGAAGTCCCAGGTGCAGTCAGGGATGAGGAACAAG
GAGAAAACGTATTGGCGCAATGCCACGAAAGAAAAGCATATAGAGCCTGAGGTTCCAAGGACATCGA
GGGATGATAGCTTGAACCTGGAGTCCAGGGGAGGCAACCACTCACCGAGGGCCCCGAGTCATCTTCAT
TAAGCCCTACCGCAATAGAACTCCCATGGGGCACATGAAGCAGCTGGATGTAGCCGACCACTGGATCTGG
TTTGAGGGGTGCCCACACGAATCCACCTCCCGGCGCCAGGGTGATGTGCAGATCCTCCACCCTGCGTT
GGGTCAAGCGCGCTGCACCCGCTTCTGCTCCGCATCACTTGAATGCCTATGTGGCATCCATACAAGGT
TGATGTGACCTGGACGAGAGCCAGAGGTGCGAGCAGAGGGTGGAGATCGCGCCATCAGCTGAAGGGGAGG
AATGGGTGGCGAAATTCACGAGTCTACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG207754 representing NM_014477
 Red=Cloning site Green=Tags(s)

MSPSAKKRPKNSRVSKMQDEKLKRDTEQPVSKVIERNRLRTVLKNLSLLKLLKSSNRRIQELHKLAKRCW
 HSLLSVPKILRISSGENSACNKTQNEEFQEIGCSEKELKSKKLESTGDPKKKEYKEWKSQVQSGMRNK
 EKTSLAAMPKREKHIEPEVPRTSRDDSLNPGVQGRQPLTEGPRVIFIKPYRNRTPMGHMKQLDVADQWIW
 FEGLPTRIHLPAPRVMCRSSTLRWVKRRCRTRFCSASLEMPMWHYPYKVDVTWTRARGASRGWRSRHLKGR
 NGWRNSRVYK

TRTRPLE – GFP Tag – V

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

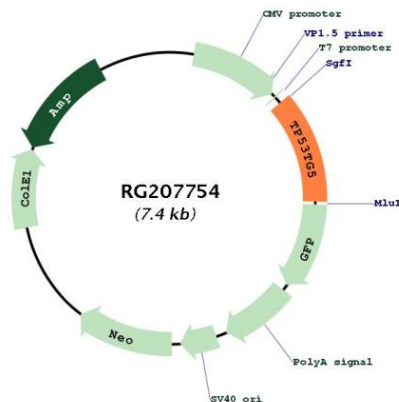
Locus ID: 27296

UniProt ID: [Q9Y2B4](#)

Cytogenetics: 20q13.12

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

Product images:



Circular map for RG207754