

Product datasheet for **MG206086**

Trp53 (NM_011640) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trp53 (NM_011640) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Trp53
Synonyms: bbl; bfy; bhy; p4; p5; p44; p53; Tp53
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206086 representing NM_011640
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTGCCATGGAGGAGTCACAGTCGGATATCAGCCTCGAGCTCCCTCTGAGCCAGGAGACATTTTCAG
 GCTTATGGAACTACTTCTCCAGAAGATATCTGCCATCACCTCACTGCATGGACGATCTGTTGCTGCC
 CCAGGATGTTGAGGAGTTTTTTGAAGGCCAAGTGAAGCCCTCCGAGTGTGAGGAGCTCTGCAGCACAG
 GACCCTGTACCGAGACCCTGGGCCAGTGGCCCTGCCCGACCACTCCATGGCCCTGTCATCTTTG
 TCCCTTCTCAAAAACTTACCAGGGCACTATGGCTTCCACCTGGGCTTCTGCAGTCTGGGACAGCCAA
 GTCTGTTATGTGCACGACTCTCTCCCTCAATAAGCTATTCTGCCAGCTGGCGAAGACGCTGCCCTGTG
 CAGTTGTGGGTCAGCGCCACACCTCCAGCTGGGAGCCGTGTCGCGCCATGGCCATCTACAAGAAGTCAC
 AGCACATGACGGAGGTCGTGAGACGCTGCCCCACCATGAGCGCTGCTCCGATGGTGATGGCCTGGCTCC
 TCCCCAGCATCTTATCCGGGTGAAGGAAATTTGTATCCCGAGTATCTGGAAGACAGGCAGACTTTTCGC
 CACAGCGTGGTGGTACCTTATGAGCCACCCGAGGCCGGCTCTGAGTATACCACATCCACTACAAGTACA
 TGTGTAATAGCTCCTGCATGGGGGCATGAACCGCCGACCTATCCTTACCATCATCACTGGAAGACTC
 CAGTGGGAACCTTCTGGGACGGGACAGCTTTGAGGTTCTGTTTGTGCCTGCCCTGGGAGAGACCGCCGT
 ACAGAAGAAGAAAATTTCCGCAAAAAGGAAGCTTTGCCCTGAACTGCCCCAGGGAGCGCAAAGAGAG
 CGCTGCCACCTGCACAAGCGCCTCTCCCGCAAAAAGAAAACCACTTGATGGAGAGATTTTACCCTT
 CAAGATCCCGGGCGTAAACGCTTCGAGATGTTCCGGGAGCTGAATGAGGCCTTAGAGTTAAAGGATGCC
 CATGCTACAGAGGAGTCTGGAGACAGCAGGGCTCACTCCAGCTACCTGAAGACCAAGAAGGGCCAGTCTA
 CTCCCGCCATAAAAAACAATGGTCAAGAAAGTGGGCTGACTCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206086 representing NM_011640
Red=Cloning site Green=Tags(s)

MTAMEESQSDISLELPLSQETFSGLWKLPPEDILPSPHCMDLLLPQDVVEEFFEGPSEALRVSGAPAAQ
 DPVTETPGPVAPATPWPLSSFVPSQKTYQGNYGFLGFLQSGTAKSVMCTYSPPLNKLFCQLAKTCPV
 QLWVSATPPAGSRVRAMAIYKKSQHMTVVRRCPHHERCSDGDGLAPPQHLIRVEGNLYPEYLEDRQTFR
 HSVVVPYEPPEAGSEYTTIHYKYMCNSSCMGGMNRRPILTIITLEDSSGNLLGRDSFEVRCACPGRRDR
 TEEENFRKKEVLCPELPPGSAKRALPTCTASPPQKKPLDGEYFTLKIIRGRKRFEMFRELNEALELKDA
 HATEESGDSRAHSSYLKTKKGQSTSRHKKTVMKKVGPDS

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2522_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011640

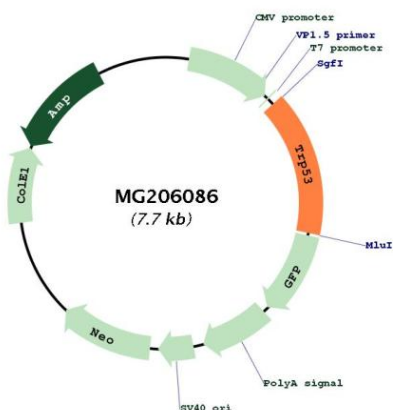
ORF Size: 1170 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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.
RefSeq:	NM_011640.3
RefSeq Size:	1781 bp
RefSeq ORF:	1173 bp
Locus ID:	22059
UniProt ID:	P02340
Cytogenetics:	11 42.83 cM
Gene Summary:	<p>This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mice deficient for this gene are developmentally normal but are susceptible to spontaneous tumors. Evidence to date shows that this gene contains one promoter, in contrast to alternative promoters of the human gene, and transcribes a few of splice variants which encode different isoforms, although the biological validity or the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for MG206086