

## Product datasheet for **RG207858**

### TP53INP2 (NM\_021202) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TP53INP2 (NM_021202) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TP53INP2
Synonyms:	C20orf110; dj1181N3.1; DOR; PIG-U; PIGU; PINH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207858 representing NM_021202 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCCAGCGCCTCTCCAGCCTCTTCTTCAGCACCCCTCGCCCCGAAGACCCCGACTGCCCCGCG  
CCTTCGTGTCGGAGGAGGATGAAGTGGACGGCTGGCTCATCATTGACCTGCCGGACAGCTACGCGGCTCC  
ACCCAGCCCCGGGGCCGCCCTGCCCGCGGGCCGCCCTCCGCCGCGCCCTCCTTGATGGACGAGAGC  
TGGTTTGTACCCTCCGCCTGTTTTACGGCAGAGGGGCTGGACTCGTCCCGCCGCCCTCCAGAGCA  
GTCCCCTGGAGGACCTCCTCATCGAGCACCCAGCATGTCCGTTTACGTACCGGCAGCACCATAGTGCT  
AGAGCCCGGGTCCCTTCCCGCTCCCGGACGCGGCCCTGCCTGACGGGACCTCAGCGAAGGGGAATTG  
ACGCCCGCCCGCGAGCCGCGGGCCGCGGCCACGCCGCTCCTCTCCAGCGCGGGCGGCGCTGCTGG  
AGAAGGCGGGCCAGGTGCGGCGGCTGCAGCGGGCCCGGACGCGGGCAGAGCGCCACGCGCTGAGCGCAA  
GGCGGTGCAGCGGCAGAACCGAGCCCGCAGAGCCGTCGCGCCGGTCCAAGAACCAGAGCAGCTTCATC  
TACCAGCCGTGCCAGCGCCAGTTCAACTAC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207858 representing NM\_021202  
 Red=Cloning site Green=Tags(s)

MFQRLSSLFFSTPSPPEDPDCPRAFVSEEDVDGWLIIIDLPSYAAPPSPGAAPAPAGRPPPAPSLMDES  
 WFVTPACFTAEGPGLGPARLQSSPLEDLLIEHPMSVYVTGSTIVLEPGSPSPLPDAALPDGDLSEGEL  
 TPARREPRAARHAAPLPARAALLEKAGQVRRLLQARQRAERHALSAKAVQRQNRARESRPRRSKNQSSFI  
 YQPCQRQFN Y

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021202

**ORF Size:** 660 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.

**RefSeq:** [NM\\_021202.3](#)

**RefSeq Size:** 4124 bp

**RefSeq ORF:** 663 bp

**Locus ID:** 58476

**UniProt ID:** [Q8IXH6](#)

**Cytogenetics:** 20q11.22

**Gene Summary:** The protein encoded by this gene promotes autophagy and is essential for proper autophagosome formation and processing. In addition, the encoded protein can enhance rDNA transcription by helping in the assembly of the POLR1/RNA polymerase I preinitiation complex. Finally, this protein serves as a transcriptional activator for some genes. [provided by RefSeq, Jul 2016]

**Product images:**



Circular map for RG207858