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# Product datasheet for SC126054

## TP53INP2 (NM_021202) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | TP53INP2 (NM_021202) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | TP53INP2 |
| **Synonyms:** | C20orf110; dJ1181N3.1; DOR; PIG-U; PIGU; PINH |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene sequence for NM_021202 edited
CCACGCGTCCGCGCCGCACAACTACCTCAACGCCGTGCCGCCCCCCTCCCGCCCCCAGGG
AATCTCTGGAGATTGGTTCACCTTTTGTGGTCCTGACCCCTTCTGTCCTCACTGTACCTT
GAAGTCCTAGAGTCCAATAAAATCGCTGCCTCCCAGCTGTTTGGATCACAGAGAGGTTTT
TGCACTGCCATAGGGCGCCCCCGTGAGGCGCTTCGCCCCCCACCATGTTCCAGCGCCTCT
CCAGCCTCTTCTTCAGCACCCCCTCGCCCCCCGAAGACCCCGACTGCCCCCGCGCCTTCG
TGTCGGAGGAGGATGAAGTGGACGGCTGGCTCATCATTGACCTGCCGGACAGCTACGCGG
CTCCACCCAGCCCCGGGGCCGCCCCTGCCCCCGCGGGCCGCCCTCCGCCCGCGCCCTCCT
TGATGGACGAGAGCTGGTTTGTTACCCCTCCCGCCTGTTTTACGGCAGAGGGGCCTGGAC
TCGGTCCCGCCCGCCTCCAGAGCAGTCCCCTGGAGGACCTCCTCATCGAGCACCCCAGCA
TGTCCGTTTACGTCACCGGCAGCACCATAGTGCTAGAGCCCGGGTCCCCTTCCCCGCTCC
CGGACGCGGCCCTGCCTGACGGCGACCTCAGCGAAGGGGAATTGACGCCCGCCCGCCGCG
AGCCGCGGGCCGCGCGCCACGCCGCTCCTCTCCCAGCGCGGGCGGCGCTGCTGGAGAAGG
CGGGCCAGGTGCGGCGGCTGCAGCGGGCCCGGCAGCGGGCAGAGCGCCACGCGCTGAGCG
CCAAGGCGGTGCAGCGGCAGAACCGAGCCCGCGAGAGCCGTCCGCGCCGGTCCAAGAACC
AGAGCAGCTTCATCTACCAGCCGTGCCAGCGCCAGTTCAACTACTGAGCGTCCACCGGCC
GCGCCACGAACCCCTTGCCGATCCCGATCCCTGTCGGGCTCCTCCGACTCCTCGGGCTGG
ACACCGAAACCTCCCTTCTTAAAGCGTGTGAGGTTGGGTGATAGCCGTTCCTTCCCCGAC
ACCCTCAATTTCCCCATCTCTGATCCTCTAATCTGCCTCTGAACCCATTCACCCTTCACC
CTCACTCCTGGTCCCCATACCCAGCATCTAATCATCCATGCCCCCTACTCCTGGCCCCTC
CATCCTTTCTTCTCTGGTCCCCATCCCTGTCTCTCCCTTTCACCCTTGCCCTCCAGTCCT
CTACCTCTGGCCTGCCCCTATTTCTGAAAGCTTCTTCCAGTCCCTGATCTGGCTCATTCC
CCACCTTCAACTCCCACCTTACATGTCTCACACTATCCCATGGTTGGCATTACACTCACT
CCTGTTCCCTTATTCTTCATTCCCAGTAATTCCCTACCAAATGGTGGGGACCCTGAGCCC
AGCTCTGACCAGGTAGAGCCTGTGCAGCCTGGGCTGCTGTCATTGCCCTCCAGTAAGGGC
TCAGGGTTTTGCTTTTAGTCTCCCCTTCCTTCTGCCTTGGGGGCGGTACTCTGTGGAGCT
GCTTAGGCCTGGAAAGGTACAGTATGTAGAAGAGGACTGTGAGACGTGAGTTAGAGGGAG

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AAGATGGAGGGAATCTAGGGAACGAGGCAGCCTATTGGAGATGCGGACAGGACAGACACG
TTGAGAAGCTGCAGGGAGCAGGGCACCAAGGGAGTGTGCACTGTGCTTGCTCAGAGAGGC
CAAACCCTGCTCCCAGGCTGAAGCCTGGAGTCTGCCCCCACTTCCCTTTTCTATAATCCA
CCCTTCTGCAGGCCCTGAAATCTGAAGGGCTTAGTTAGTACCTTGCCACTCTACCCCCAA
CACGTCACCCGAGTAGAAGCTGGGCAAGGCCCTACCATCCTGGCCGTCTGTTCACAAGCC
CAAGGTGCTAGAACTAGCTTAGGAGACATGCAGGCCACAGGGCTTCTAGGCAGGGAAAGG
GCACACACCCTAGGTCAGCGTGCAGAGCAGTGATGCTGGAGGACACACCATGGGGTGAAG
CCATCCCAAGGCTGACAGCTCAGTCTTCACCTTGCCTCTGGCCTTGTATTTCACACCCTG
CTCAGTATGGCTAGCCAGCAGTCCTGAGTAGGAGTCCAGGACTCCCACTGTCTCAATCTG
CAAATTGTTCCTATCCAGGTTCAGGGCCTTCAGGGGGCCTCTTTTCATTTTCTCCCACAG
GCCTCTCTTTCTTTCTAGGTTGCTGGGGAGAAATGGGTACCCTATGATCCCCCTCCCCTT
CTCCTCCAGTAAATACCTGGAAGAGGGAACCTGAATCCCTGGGGGAGACAGAAGGGGCAG
GGGCCACCAGCCTCCCCTTCTTGTGGTGAGACTGAATTTTGGGCTCAGACACCAGCAACA
GCCTCTTGGGATGCCCTGAGTTGCTTCCCATTTCCTCTTTCTAGCCGTCCTTTTCTAGTG
TGTGCTCACTCTTCCTAGGAACTTTTAAGACTTCTTGGTACCTATGAACATAGGTCCTCC
CCTCACCCCAACTCTAGGTTTCCAGGCCTCACAGCCAAGCTGAAGCTTGGAGAAAACTCT
GCATTCCCATGAGGGCAAAGGCAGCTGCCCTCCCTGACCCTATAGCCCCAGGCCTCATGG
GGGGTATGTGGGGAAGGGATGGGGTATCCCCATGGATGCTGGGATGAGGACAGAGGAAGA
CCTGATGGGGTCTCCTATTCCAGGGAATAAGCCAAATTAACACTAAAAACGGATTAAAGC
TCCCACGCCAGTCCACTAGGGCCCCAGTAGTTGACAGCCTTGCTCCTCTCCCAAGTTCTC
CTTCAGAACCTAGTTGCTTTTATTCTTCCAGCTACCACTTGGGCACTTCACAGCCAGCCT
AGGGTCTTCGGCACCTCCAAGAGCTGAATCTCCCTCCAACCCTTCTTGCCTACTCCTCAC
TGCCAGCTGGGACCTAGGCTCAGTCCTGTGTGGTGCCCATGATCCTTCTGGTGGGGGAAG
AGTTTAAGTTATAGGGCATTTGGCTCAAATTTTAAAAGGCCTTTTGTTTACCTATATTTC
TGGAGGCTCCTGTATTCTAGAACCCAATCTCTCACCTGCTTGGTTGCAAGGCTCATATTT
TTTTGTACCTTTCCTATAGATTCTGTAGCATTTGAGTGTGGCAATATTTTAATTGTGTAT
AGATTTCTAAGAACCAACACTACTCAGTCTCCTGCTAGTCTGACTCCTGAAGCATCAGCC
CTTGTCATACTGTATTGACTGTGTACGTGCCTTTCACCTTGAGCATGCTTCAGGATTTTT
TTTTTAAACCACAGAACTTGAATACATGAGGGAACCAGAGTTCAAAGTCCTATGCAACCT
TAGGAGGGGGTTAGAGAGTCTGTTTTGATTGATGTTTTCTGAGGCCCTAGAGGAGTTTGT
ATCAATTTGTGAGTATTAATGTCAGTACTACCAGCACTTTGCCAAAACTGTCAGAGGGAC
CCGTTTCTAGAGTGAGTCCCAGTTACATCAAACAGTGACTTCCAGTTATTCCCCAGTAAG
TCTGAGTGGTTCCTTCAAGCTGGGTGTCTTTCCAGCCTTTGCCAGTCTAGCCCCAGCAGG
GCACCGTGTATGAATGCAGTTTGGTGCTGTTTTAGAGTATGCCTGCTCCCCAGCCCCCTG
CCTGGAACCCTCTGAGCAACTTGCTCTGACCTATAATGTCTTAGGTGCAACACGGACCCC
ACCAGAGCTCTTGGATACCCCCCTAGATCCATGTGGCTTTATGTGAGGGGACTGAATGCA
GACACACCATAGCCCCCTTCTACTACTTTCCCTCTCGCCCTGCCACCTAGTTCCACATGG
AACCAACAAGTTGAGTGCATCCCTGTTGGGTGTTTTGTGTTGAGACTGGCTGAAATGAGG
AGACTTTGACCATGTGACGTGTCAACAGACTCAAGGAGACAACCACCTCAACTGGGTCAT
GTGGCATGCCTGTGTATGTGTGTAACAGAATTCTGATTGTTAGACTGTAATGCTATTCCT
CTATGGGAGAAAAAAATTAATATAAAGAAAAACAAATAAAAATATATTTAAAGCACAAAA
AAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_021202 unedited
TCATGTCATTATTTGTAATACGACTCACTATAGGCGGCCGCGTATTCAGCTCTGGTACCG
GTCCGGAATTCCCGGGATATCGTCGACCCACGCGTCCGCGCCGCACAACTACCTCAACGC
CGTGCCGCCCCCCTCCCGCCCCCAGGGAATCTCTGGAGATTGGTTCACCTTTTGTGGTCC
TGACCCCTTCTGTCCTCACTGTACCTTGAAGTCCTAGAGTCCAATAAAATCGCTGCCTCC
CAGCTGTTTGGATCACAGAGAGGTTTTTGCACTGCCATAGGGCGCCCCCGTGAGGCGCTT
CGCCCCCCACCATGTTCCAGCGCCTCTCCAGCCTCTTCTTCAGCACCCCCTCGCCCCCCG
AAGACCCCGACTGCCCCCGCGCCTTCGTGTCGGAGGAGGATGAAGTGGACGGCTGGCTCA
TCATTGACCTGCCGGACAGCTACGCGGCTCCACCCAGCCCCGGGGCCGCCCCTGCCCCCG
CGGGCCGCCCTCCGCCCGCGCCCTCCTTGATGGACGAGAGCTGGTTTGTTACCCCTCCCG
CCTGTTTTACGGCAGAGGGGCCTGGACTCGGTCCCGCCCGCCTCCAGAGCAGTCCCCTGG
AGGACCTCCTCATCGAGCACCCCAGCATGTCCGTTTACGTCACCGGCAGCACCATAGTGC
TAGAGCCCGGGTCCCCTTCCCCGCTCCCGGACCCGGCCCTGCCTGACGGCGAACTAAGCG
AAAGGGAATTGACGCCCGCCCGCCCCGAGCCGTGGGCCGTGCGCCACGCCGTTCCTTATC
CAGCGCGGGCGGCTCTTCTTGAAAATGCGGGCCAAGTGCCGGCGGCTGCATCGGGCTCTG
GTCACCGGCATATACCCCCTCCGCTGAACGCCAAAGCGGTGCCACCTGTTTAACACACAC
CTTGAGAAC

**Restriction Sites:** NotI-NotI

**ACCN:** NM_021202

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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_021202.1, NP_067025.1

**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]
Transcript Variant: This variant (1) represents the longest transcript (1). All four variants encode the same protein.