

Product datasheet for **RG230954**

p53 AIP1 (TP53AIP1) (NM_001195194) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p53 AIP1 (TP53AIP1) (NM_001195194) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TP53AIP1
Synonyms: P53AIP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230954 representing NM_001195194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGATCTTCTCTGAGGCGAGCTTCAGATCTGCTCAAGCTTCCTGCAGTGGGGCCAGGAGGCAGGGCC
 TGGGCAGGGGAGACCAGAACCTCTCGGTGATGCCTCCGAATGGCAGGGCTCAGACACACACACCTGGCTG
 GGTTTCAGATCCCTTAGTTTTGGGTGCCAAGTTCACGGAGGGTGCCGGGAATAGAAGCTCTGTCAGTC
 TCGTCTGGATCTTGGTCCTCAGCAACTGTCTGGATCCTGACAGGTCTCTCCAGGCCTTTCCTTCTGGAG
 CCACAGTGCTTAGAGACAGGCCACTGGGGTCAGCATTTGAGCTCAGCTATGATCAGAAAAAGCACCGTT
 GAGGTTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG230954 representing NM_001195194
 Red=Cloning site Green=Tags(s)
 MGSSEASFRSAQASCSGARRQGLGRGDQNLVMPNPNRAQHTHTPGWVSDPLVLGAQVHGCGRGIEALSV
 SSGSWSSATVWILTGLSRPFLPGATVLRDRPLGSFELSVDQKKAPLRLQ

TRTRPLE - GFP Tag - V

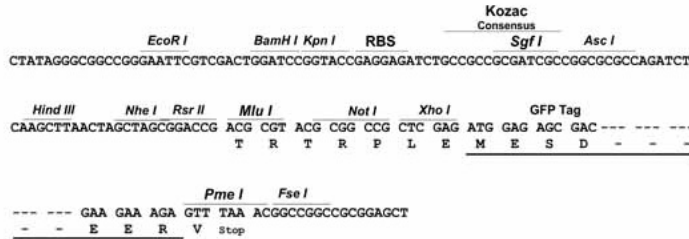
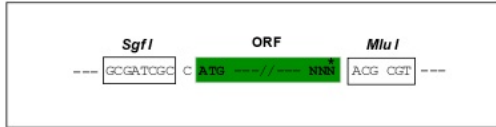
Restriction Sites: Sgfl-MluI



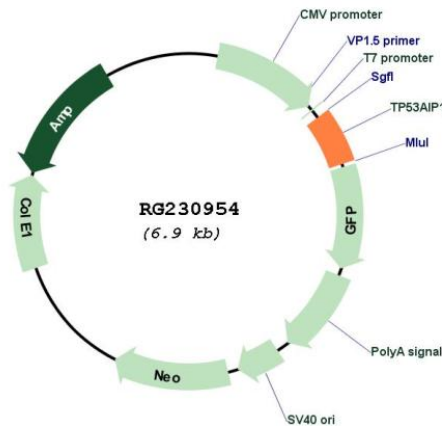
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001195194

ORF Size: 360 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: | <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: | <u>NM_001195194.1</u> , <u>NP_001182123.1</u> |
| RefSeq Size: | 600 bp |
| RefSeq ORF: | 363 bp |
| Locus ID: | 63970 |
| UniProt ID: | <u>Q9HCN2</u> |
| Cytogenetics: | 11q24.3 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | p53 signaling pathway |
| Gene Summary: | This gene is specifically expressed in the thymus, and encodes a protein that is localized to the mitochondrion. The expression of this gene is inducible by p53, and it is thought to play an important role in mediating p53-dependent apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011] |