

Product datasheet for **SC214434**

p53 (TP53) (NM_001126113) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	p53 (TP53) (NM_001126113) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TP53
Synonyms:	BCC7; BMFS5; LFS1; P53; TRP53
ACCN:	NM_001126113
Insert Size:	1419 bp



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Insert Sequence: >SC214434 3'UTR clone of NM_001126113
 The sequence shown below is from the reference sequence of NM_001126113. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGGTGTTACTTCCTGATAAACTCGTCGTAAAGTTGAAAATATTATCCGTGGCGTGAGCGCTTCGAGATG
TCCGAGAGCTGAATGAGGCCTTGAACCTCAAGGATGCCAGGCTGGGAAGGAGCCAGGGGGGAGCAGG
GCTCACTCCAGCCACCTGAAGTCCAAAAAGGGTCACTACCTCCCGCCATAAAAACTCATGTTCAAG
ACAGAAGGGCCTGACTCAGACTGACATTCTCCACTTCTTGTTCCTCCACTGACAGCCTCCACCCCATC
TCTCCCTCCCTGCCATTTGGGTTTTGGGTCTTTGAACCCTTGCTTGAATAGGTGTGCGTCAGAAGC
ACCCAGGACTTCCATTTGCTTTGCTCCCGGGCTCCACTGAACAAGTTGGCCTGCACTGGTGTGTTGTTG
TGGGGAGGAGGATGGGGAGTAGGACATACCAGCTTAGATTTAAAGTTTTACTGTGAGGGATGTTTGG
GAGATGTAAGAAATGTTCTTGCAGTTAAGGGTTAGTTTACAATCAGCCACATTCTAGGTAGGGGCCAC
TTCACCGTACTAACCCAGGAAGCTGTCCCTCACTGTTGAATTTCTCTAACTTCAAGGCCATATCTGT
GAAATGCTGGCATTGTCACCTACCTCACAGAGTGCAATTGTGAGGGTTAATGAAATAATGTACATCTGGC
CTTGAAACCACCTTTTATTACATGGGGTCTAGAACTTGACCCCTTGAGGGTGCTTGTCCCTCTCCCT
GTTGGTCGGTGGGTTGGTAGTTTCTACAGTTGGGCAGCTGGTTAGGTAGAGGGAGTTGTCAAGTCTCTG
CTGGCCAGCCAAACCCTGTCTGACAACCTCTTGGTGAACCTTAGTACCTAAAAGGAAATCTCACCCCA
TCCCACACCCTGGAGGATTTCACTCTTGTATATGATGATCTGGATCCACCAAGACTTGTGTTTATGCTC
AGGGTCAATTTCTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTTTGAGACTGGGTCTCGCTTTGTTG
CCAGGCTGGAGTGGAGTGGCGTGATCTTGGCTTACTGCAGCCTTGCCTCCCGGCTCGAGCAGTCT
GCCTCAGCCTCCGGAGTAGCTGGGACCACAGGTTTCATGCCACCATGGCCAGCCAACTTTTGCATGTTTT
GTAGAGATGGGGTCTCACAGTGTGCCAGGCTGGTCTCAAACCTCTGGGCTCAGGCGATCCACCTGTC
TCAGCCTCCAGAGTGTGGGATTACAATTGTGAGCCACCACGTCCAGCTGGAAGGGTCAACATCTTTT
ACATTCTGCAAGCACATCTGCATTTTACCCACCCTTCCCTCTTCTCCCTTTTTATATCCCATTTT
TATATCGATCTTATTTTACAATAAACTTTGCTGCCA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001126113.3](#)

Summary:

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants (PMIDs: 12032546, 20937277). [provided by RefSeq, Dec 2016]

Locus ID:

7157

MW:

51.8