

## Product datasheet for **SC201729**

### **53BP1 (TP53BP1) (NM\_001141979) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	53BP1 (TP53BP1) (NM_001141979) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TP53BP1
Synonyms:	53BP1; p53BP1; p202; TDRD30
ACCN:	NM_001141979
Insert Size:	2000 bp



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**Insert Sequence:** >SC201729 3'UTR clone of NM\_001141979  
 The sequence shown below is from the reference sequence of NM\_001141979. 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
AAATATAAACACGATTATGTTTCTCACAAAGATACTTGGTCTTACTGGTTTTATTCCCTGCATCGTG
GAGATTGTGTTTTAACCCAGGTTTTAAATGTGTCTTGTGTGTAAGTGGATTCCCTGCATGGATCTTGAT
ATAGTTTTATTTGCTGAACCTTTATGATAAAAATAATGTTGAATCTCTTTGGTTGTAGTAACTGGGATT
TCTTCATCTGTTTTTTGAGCTTAATCTCAGAACAATGACAAGACATAGTACTTTCTCTGAGTCTTTC
AACAGGCTTATTCACCTACGGAGGACAGCTGGCCAAGGAAATTGAAAAGTTAAGAGTGAACCTTTATTCT
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TAGGTGAAGGCCAGATTAACAGTTGTGCCAAAAGTTGAGTGAATTGGGCACAGCTCTGTTTCCTGAC
AGTTAAAAAAGACCTCATGCTCTCTCTGAGCTGAGATCACAGCTCACCTGTGGTACTCCCAACTC
TTAGAGCTAAAGGAGAACGAAAAGGACCACTGCCATGAAGGGACAGTGACCATAAGCTTGATGGAATG
ACCTTCCGTAAGATAAACATGGGAAGCACAAGTGAAGAACCTGGAAATGTTACACGTTCTAGTCAAAG
ACCCAATATTATTATTATTATTATGTCACAATAGCTGGAAGCAGTTCCTTCCCTTCTCTGGCATCAC
TGATCCCTGCATGGCTTCTCATTCTCTAAAGCAGGGGTCAACAAGTTTTTTTTCTGTAAAGGGTCAAAG
AGTAAATATTTAGGCTTTGTGGGCCATTTGATCCATCACAACACTCGCCTTTGCTGTGAGGGCATGA
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TTACTTACACTGATATGAATATTGATTACCAGTGTGGCTGGGCCATATTAAGATAAATTCAACCCCTA
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GGTTCAAGCAATCTCCTGTCTCAGCCTCCTGAGTAGTGGGATTACAGGCACATGCCACCACACCTGG
CTAATTTTTGTATTTTTAGTAGAATCGAGTTTCATCATGTTGGTCAGGCTGGTCTCAAACCTCTGACT
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AAGAAATACTTTTAAAGTATATTTTCATTAGCTAGAATTGCCAATCTGTGTAGGTATAAATTAAGTGGT
ATAGGGAGAGAGAAAGCCTATCTTACCTGTTGCTTTCTTACTTGGTGGTAACATCCAGCAGTTAGTCTA
TTATAAACATAATTAATTTTTCACATATGAACCATAAAAATTTAACTTTCTGCTCTATATTGTTTGT
TTACCGCTGTATCTCCACAGCTTGAACAGTACCAAGGTACGTAGTAGGTGCTCAATAAATGACTATTG
AATAAATGAACATATCCAACAAATGTTCTCAATGTAAAGGATCAGAGATGCCACATGTTCTCCTTGAT
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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\\_001141979.3](#)

**Summary:** This gene encodes a protein that functions in the DNA double-strand break repair pathway choice, promoting non-homologous end joining (NHEJ) pathways, and limiting homologous recombination. This protein plays multiple roles in the DNA damage response, including promoting checkpoint signaling following DNA damage, acting as a scaffold for recruitment of DNA damage response proteins to damaged chromatin, and promoting NHEJ pathways by limiting end resection following a double-strand break. These roles are also important during V(D)J recombination, class switch recombination and at unprotected telomeres. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]

**Locus ID:** 7158

**MW:** 75.8