

Product datasheet for **SC201730**

53BP1 (TP53BP1) (NM_001141980) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	53BP1 (TP53BP1) (NM_001141980) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TP53BP1
Synonyms:	53BP1; p53BP1; p202; TDRD30
ACCN:	NM_001141980
Insert Size:	2000 bp



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Insert Sequence: >SC201730 3'UTR clone of NM_001141980
 The sequence shown below is from the reference sequence of NM_001141980. 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
TCTTCATCTGTTTTTTGAGCTAATCTCAGAACAATGACAAGACATAGTACTTTCTCTGAGTCTTTC
AACAGGCTTATTCACCTACGGAGGACAGCTGGCCAAGGAAATTGAAAAGTTAAGAGTGAACCTTTATTCT
GTGGCATCATTCCAAAAGGTTATTCCAGGGTGTCTAAAATGCTATGCTTGCAGAACTCAGTTAAAGG
TAGGTGAAGGCCAGATTAACAGTTGTGCCAAAAGTTGAGTGAATTTGGGCACAGCTCTGTTTCCTGAC
AGTTAAAAAAGACCTCATGCTCTCTCTGAGCTGAGATCACAGCTCACCTGTGGTACTCCCAACTC
TTAGAGCTAAAGGAGAACGAAAAGGACCACTGCCATGAAGGGACAGTGACCATAAGCTTGATGGAATG
ACCTTCCGTAAGATAAACATGGGAAGCACAAGTGAAGAACCTGGAAATGTTACACGTTCTAGTCAAAG
ACCCAATATTATTATTATTATTATGTCACAATAGCTGGAAGCAGTTCCTTCCCTTCTCTGGCATCAC
TGATCCCTGCATGGCTTCTCATTCTCTAAAGCAGGGGTCAACAAGTTTTTTTTCTGTAAAGGGTCAAAG
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AGCAGGCCATAGTTTCCAGCTCCTGCTCCAGAGACAGCAGTAGAAAAGGGTGTCTTTAGTTGATAATA
GCAGGGAATAAGTTGTCAGAGCTTCCAGTGTGTGTAAGTATGTAGTGTGAAAACAGATGCAGTGA
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TTACTTACACTGATATGAATATTGATTACCAGTGTGGCTGGGCCATATTAAGATAAATTCAACCCCTA
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GGTTCAAGCAATCTCCTGTCTCAGCCTCCTGAGTAGCTGGGATTACAGGCACATGCCACCACACCTGG
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TCAGGTGATCCGCCCGCCTCGGCCTCCCAAAGTGTGGGATTACAGGTGTGAGCCACCATGCCCGCCT
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ATAGGGAGAGAGAAAGCCTATCTTACCTGTTGCTTTCTTACTTGGTGGTAACATCCAGCAGTTAGTCTA
TTATAAACATAATTACTTTTTACATATGAACCATAAAAATTTAACTTTCTGCTCTATATTGTTTGT
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_001141980.3](#)

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