

## Product datasheet for **SC302532**

### TP53BP2 (NM\_001031685) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TP53BP2 (NM\_001031685) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TP53BP2  
**Synonyms:** 53BP2; ASPP2; BBP; P53BP2; PPP1R13A  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001031685 edited  
 GCCGCGTCAGGGGCCCCGGCCGGGGAGCCCGGGCTTGTGGTCCCCAGCCCC  
 CGCGGAGGGCCCTTCGACCCCGCGCCGCCGCTGCCGCCCGCCGCTCGCAACAGGT  
 CCGGGCGGCTCGCTCTCCGCTCCCTCCCGCATCCGCGACCTCCGGGGCACCTCAG  
 CTCGGCCGGGCGCAGTCTGGCCACCCGCTTCCATGCGGTTCCGGTCCAAGATGATGCC  
 GATGTTTCTTACCGTGTATCTCAGTAACAATGAGCAGCACTTCACAGAAGTTCCAGTTAC  
 TCCAGAAACAATATGCAGAGACGTGGTGGATCTGTGCAAAGAACCCGGCGAGAGTGATTG  
 CCATTTGGCTGAAGTGTGGTGTGGCTCTGAACGTCAGTTCGGGATAATGAGCGAATGTT  
 TGATGTTCTTCAACGATTTGGAAGTCAGAGGAACGAAGTTCGCTTCTTCCCTTCGTCATGA  
 ACGCCCCCTGGCAGGGACATTGTGAGTGGACCAAGATCTCAGGATCCAAGTTAAAAAG  
 AAATGGTGTAAGTTCCCTGGTGAATATCGAAGAAAGGAGAACGGTGTTAATAGTCCTAG  
 GATGGATCTGACTCTTGCTGAACCTCAGGAAATGGCATCTCGCCAGCAGCAACAGATTGA  
 AGCCCAGCAACAATTGCTGGCAACTAAGGAACAGCGCTTAAAGTTTTGAAACAACAAGA  
 TCAGCGACAACAGCAACAAGTTGCTGAGCAGGAGAAAATAAAAGGCTAAAAGAAAATAGC  
 TGAGAATCAGGAAGCTAAGCTAAAAAAGTGAGAGCACTTAAAGGCCACGTGGAACAGAA  
 GAGACTAAGCAATGGGAACTTGTGGAGGAAATGAACAGATGAATAATTTGTTCCAGCA  
 AAAACAGAGGGAGCTCGTCTGGCTGTGTCAAAAGTAGAAGAAGTACCAGGCAGCTAGA  
 GATGCTCAAGAACGGCAGGATCGACAGCCACCATGACAATCAGTCTGCAGTGGCTGAGCT  
 TGATCGCCTCTATAAGGAGCTGCAGCTAAGAAACAAATGAATCAAGAGCAGAATGCCAA  
 GCTACAACAACAGAGGGAGTGTGTTGAATAAGCGTAATTCAGAAGTGGCAGTCATGGATAA  
 CGGTGTTAATGAGCTGAGGGACCGCTGTGGAAGAAGAAGGCAGCTCTACAGCAAAAAGA  
 AAATCTACCAGTTTCATCTGATGGAATCTTCCCAGCAAGCCGCTCAGCCCCAAGCCG  
 TGTGGCTGCAGTAGGTCCTATATCCAGTCGTCTACTATGCCTCGGATGCCCTCAAGGCC  
 TGAATTGCTGGTGAAGCCAGCCCTGCCGATGGTTCCTTGGTCATTCAAGGCTCAGAGGG  
 GCCGATGAAAATACAGACACTGCCCAACATGAGATCTGGGGCTGCTTCACAACTAAAGG  
 CTCTAAAATCCATCCAGTTGGCCCTGATTGGAGTCCTTCAAATGCAGATCTTTCCCAAG  
 CCAAGGCTCTGCTCTGTACCTCAAAGCACTGGGAATGCTCTGGATCAAGTTGATGATGG



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AGAGGTTCCGCTGAGGGAGAAAGAGAAGAAAGTGCCTCCGTTCTCAATGTTTGATGCAGT  
AGACCAGTCCAATGCCACCTTCTTTGGTACTCTGAGGAAGAACCAGAGCAGTGAAGA  
TATCTTGCGGGATGCTCAGGTTGCAAATAAAAATGTGGCTAAAGTACCACCTCCTGTTCC  
TACAAAACCAAAACAGATTAATTTGCCCTATTTTGGACAACTAATCAGCCACCTCAGA  
CATTAAGCCAGACGGAAGTTCTCAGCAGTTGTCAACAGTTGTTCCGTCATGGAACTAA  
ACCAAAACCAGCAGGGCAGCAGCCGAGAGTGTCTATCTCCAGCATACCTTCGGTTGG  
CCAAGACCAGACCCTTTCTCAGGTTCTAAGCAAGAAAGTCCACCTGCTGCTGCCGTCGG  
GCCCTTTACTCCCAGCCTTCCAAGACACCTTACTTCCACCCTCAGAAAACCCAGAC  
CGTGGCAGCAAGTTCAATATATTCCATGTATACGCAACAGCAGGCGCAGGAAAAAAT  
CCAGCAGGCTGTGCAGAGCGCTTGACCAAGACTCATACCAGAGGGCCACACTTTTCAAG  
TGTATATGGTAAGCCTGTAATTGCTGCTGCCAGAATCAACAGCAGCACCAGAGAACAT  
TTATTCCAATAGCCAGGGCAAGCCTGGCAGTCCAGAACCAGAACAGAGCCTGTTTCTC  
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GCCTTTCTTATCTAATCCTTACCGAAACCAGAGTGTGCTGACCTAGAAGCCTTACGAAA  
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CCCAGTAGAAATCCAGAAATCCATATTTACATGTGGAGCCCAGAAAAGGAGGTGGTCTCT  
GGTTCTGAAATCATTGTCCCAGAGGATGTGGGAATGCCAGTACAGAGAACAGTGCAT  
GCCAGCTCCTTCTCAGGCCCTGATTATGAGCCTGAGGGAGTCCCAGACAACAGCCAAA  
TCTCCAGAATAACCCAGAAGAACCAATCCAGAGGCTCCACATGTGCTTGATGTGACCT  
GGAGGAGTACCCTCCATACCCACCCACCACATACCCATCTGGGGAGCCTGAAGGGCCCG  
GAAAGACTCGGTGAGCATGCGCCCGCTGAAATCACCGGCAGGTCTCTGCTGCTCGG  
TAAAAGGACAAAACCTTGCCTAAAACCTGGCTCAGAGCGTATCGCTCATGGAATGAGGGT  
ATTCAACCCCTTGTCTTACTGTAGATTGCTTGGAGGGAGAATTTGACCTGTACA  
GAGAATATTTATGAGGTTGATGACCAAGCCTCCCAATGATGAAGGCATCACGGCTCT  
TCACAATGCTGTGTGCAGGCCACACAGAAATCGTTAAGTTCTGGTACAGTTTGGTGT  
AAATGTAATGCTGCTGATAGTGTGGATGGACTCCATTACATTGTGCTGCCTCATGTAA  
CAACGTCCAAGTGTGAAGTTTTGGTGGAGTCAGGAGCCGCTGTGTTTGCCATGACCTA  
CAGTGACATGCAGACTGCTGCAGATAAGTGCGAGGAAATGGAGGAAGGCTACACTCAGT  
CTCCCAATTTCTTATGGAGTTCAGGAGAAGATGGGCATGAATGAATAAAGGAGTCATTTA  
TGCGCTTTGGGATTATGAACCTCAGAATGATGATGAGCTGCCATGAAAGAAGGAGACTG  
CATGACAATCATCCACAGGGAAGACGAAGATGAAATCGAATGGTGGTGGCGCGCCTTAA  
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ACAAAGGAGCTTGGCCTGAAACTCCACACAGAAATTTAGTCAATGAAGAATTAATCTCT  
GTTAAGAAGAAGTAATACGATTATTTTTGGCAAAAATTTACAAGACTTATTTAATGAC  
AATGTAGCTTGAAGCGATGAAGAATGTCTCTAGAAGAGAATGAAGGATTGAAGAATTC  
CCATTAGAGGACATTTAGCGTGATGAAATAAAGCATCTACGTGAGCAGCCATACTGTGT  
TGGGGCAAAGGTGTCCTGAGCACTCAGATAAGTATACAGCGACAATCCTGTTTTCTA  
CAAGAATCCTGTCTAGTAAATAGGATCATTTATTGGGCAGTTGGGAAATCAGCTCTCTGT  
CCTGTTGAGTGTCTTTCAGCAGCTGCTCCTAAACCAGTCTCCTGCCAGAAAGGACCAAGT  
CCGTACATCGCTGTCTCTGATTGTCCCGGCACCAGCAGGCCCTTGGGGGGCTCACCTG  
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GTGAACAATAACTTTATATATGAGTTTTGTAGCATCTTAAGAATTATACATATGTTTG  
AAATATTGAACTAAGCTACGGTACCAGTAATTAGATGTAGAATCTTGTGTAGGCTGA  
ATTTAATCTGTATTTATTGCTTTTGTATCTCAGAAATTAGAACTTGCTACAGACTTA  
CCCGTAATATTTGTCAAGATCATAGCTGACTTTAAAACAGTTGTAATAAACTTTTGT  
GCTAA  
AAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001031685

<b>Insert Size:</b>	5700 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001031685.1</a></u> , <u><a href="#">NP_001026855.1</a></u>
<b>RefSeq Size:</b>	4496 bp
<b>RefSeq ORF:</b>	3384 bp
<b>Locus ID:</b>	7159
<b>UniProt ID:</b>	<u><a href="#">Q13625</a></u>
<b>Cytogenetics:</b>	1q41
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. It is localized to the perinuclear region of the cytoplasm, and regulates apoptosis and cell growth through interactions with other regulatory molecules including members of the p53 family. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1), also known as 53BP2L or long.</p>