

## Product datasheet for **SC106368**

### TP53BP2 (AJ318888) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TP53BP2 (AJ318888) Human Untagged Clone
Tag:	Tag Free
Symbol:	TP53BP2
Synonyms:	53BP2; ASPP2; BBP; P53BP2; PPP1R13A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106368 sequence for AJ318888 edited (data generated by NextGen Sequencing)

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ATGATGCCGATGTTTCTTACCGTGTATCTCAGTAACAATGAGCAGCACTTCACAGAAGTT
CCAGTTACTCCAGAAACAATATGCAGAGACGTGGTGGATCTGTGCAAAGAACCCGGCAG
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GATGCAGTAGACCAGTCCAATGCCCCACCTTCTTTGGTACTCTGAGGAAGAACCAGAGC
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CCTGTTCTACAAAACAAAACAGATTAATTTGCCTTATTTTGGACAACTAATCAGCCA  
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 GGAGACTGCATGACAATCATCCACAGGGAAGACGAAGATGAAATCGAATGGTGGTGGCG  
 CGCCTTAATGATAAAGGAGGATATGTTCCACGTAACCTTGTGGGACTGTACCCAAGAATT  
 AAACCAAGACAAAGGAGCTTGGCCTGA

Clone variation with respect to AJ318888.2

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AJ318888 unedited  
 ACAAGCCGCGTCAGGGGCCCCGGCCGGGGGAGCCGGGGCTTGTGGTGCCCCA  
 GCCCGCGGGAGGGCCCTTCGGACCCGCGCGCCGCTGCCCGCCGCGCCCTCGCAA  
 CAGGTCGGGGCGCCTCGCTCTCCGCTCCCTCCCCGCATCCGCGACCTCCGGGGCAC  
 CTCAGCTCGGCCGGGCCGAGTCTGGCCACCCGCTTCCATGCGGTTCCGGTCCAAGATG  
 ATGCCGATGTTTCTTACCGTGTATCTCAGTAACAATGAGCAGCACTTCACAGAAGTTCCA  
 GTTACTCCAGAAACAATATGCAGAGACGTGGTGGATCTGTGCAAAGAACCCGGCAGAGT  
 GATTGCCATTTGGCTGAAGTGTGGTGTGGCTCTGAACGTCAGTTGCGGATAATGAGCGA  
 ATGTTTGTATGTTCTTCAACGATTTGGAAGTCAGAGGAACGAAGTTCGCTTCTTCTTCGT  
 CATGAACGCCCCCTGGCAGGGACATTGTGAGTGGACCAAGATCTCAGGATCCAAGTTTA  
 AAAAGAAATGGTGTANAAGTCTGGTGAATATCGAAGAAAGGAGAACCGTGTTAATAGT  
 CCTAGGATGGATCTGACTCTTGCTGAACTTCAGGAAATGGCATCTCGCCAGCAGCAACAG  
 ATTGAAGCCCCAGCACCATTTGCTGGCAACTAGAGGACAGCGCCTTAAAGTTNNTTGAACAN  
 NCAGATCAGCGACCACAGCAACAAGTTGCTGAGCAGGAGAAAACCTAANAGGCTAAAAGAA  
 TAGCTGAGAATCAGGAAGNCCTAGCTANAAGTGAAGCNCN

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for AJ318888 unedited NCCAGATTCTTAGCAGTTTCATNACAACCTGGTTTTGTAAGTNCAGCTATGCATCTTGACA AATTTACGGGTAAGTCTGTAGCAAGTTTCTAATTTCTGAGATACAAAAGACAATAAATAC AGATTTAAATTCAGCCTACAAACAAGATTCTACATCTAATTACTGGTACCGTAGCTTAGT TTCAATATTTCAAACATATGTATAATTCTTAAGATGCTACAAAACCTCATATAATAAAGT TATTGTTCACTGACAACCAACTAACAGTTCTTCACTGACAATATACAAGTGTGCAGTGCC TTCGAGCCTTCAGGTGAGCCCCCAAGGGCCTGCTGGTGCCGGGGACAATCAGAGACAGC GATGTGACAGCACTGGTCCTTTCTGGCAGGAGGACTGGTTTAGGAGCAGCTGCTGAAAAC ACTCAACAGGACAGAGAGCTGATTTCCCAACTGCCAATAAATGATCCTATTTACTACAC AGGATTCTGTAGAAAACAGGATTGTCGCCGTACTTATCTGAGTGCTACACGGGACAC CTCCGCCCTAACACAGTATGGCCTGCTGACGTAGATGCTGTATTTTCATCACGCCCCCGT TTTTTATTGGTGGATTCTTCGCCCGGCCTTTTTTGTGCAAGGACAATCGTTATTGGTTT TCGTGCTACATTGACACCGCACCCGCCGCTTGTGAGATGCGGCGGAATATTACGGCGTTT CACTGCTTCTGCGGAGAATATTACCTCGGTAGTTGCCCGCGTCTTGGGTGGCCAGGGA CAGGGCCCTCTTTTCTTTTCGTTGTGCCAGTCCGTGTGTTTCAATTTAGCACGCTGC GCGGGAAGGCGATTTTTACGGCGTGTGACGCGGACCGGGTCACTCTGTAAGTTA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AJ318888
<b>Insert Size:</b>	4530 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>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>	<a href="#">AJ318888.2</a> , <a href="#">CAC83012.1</a>
<b>RefSeq Size:</b>	4402 bp
<b>RefSeq ORF:</b>	3387 bp
<b>Locus ID:</b>	7159
<b>Cytogenetics:</b>	1q41
<b>Domains:</b>	SH3, ANK
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

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]