

Product datasheet for **SC116539**

p53 BP3 (TOPORS) (NM_005802) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p53 BP3 (TOPORS) (NM_005802) Human Untagged Clone
Tag:	Tag Free
Symbol:	p53 BP3
Synonyms:	LUN; P53BP3; RP31; TP53BPL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_005802, the custom clone sequence may differ by one or more nucleotides

```

ATGGGGTCGCAGCCGCCGCTGGGGTCTCCGCTGTCTCGCGAGGAGGGTGAAGCGCCCCCGCCTGCTCCCG
CTTCGGAGGGTAGGCGGAGAAGTCGCCGGTACGCCCTTCGCGGATCCTGCCGACACCGACCTAGCTTTCT
GGGCTGCCGGGAGCTCGCGGCGAGCGCCCCAGCCAGGCCTGCGCCGGCATCCTCCGAGATAATGGCATCA
GCTGCTAAGGAATTTAAATGGACAACCTTTACCTAAAGCTGGCACTAGCAAATGCAACAGACAGTAC
CAGCTGATGCATCTCCTGATTCTAAGTGTCTATATGCTTGGATAGATTTGATAATGTGTCTTACTTAGA
TCGCTGCTTACATAAGTTCTGTTTTCGCTGTGTACAGGAGTGGTCAAAAAACAAAGCTGAATGCCCACTA
TGTAAACAGCCCTTTGATTCTATTTTCCATTCTGTGAGGGCAGAAGATGACTTCAAGGAGTATGTCTAA
GGCCTTCGTATAATGGTTCTTTTGTCAACCCTGATCGACGATTTTCGTACCGTACAACCTCTGACAAGGGA
ACGAAATGCTTCTGTGTATTACCTAGTGGTCTGTGAACAGAAGAACAACAACCTCCACCGGATAGTGGA
GTACTGTTTGAAGGGTTAGGCATTTCAACAAGACCTAGAGATGTTGAAATTCCTCAGTTTATGAGACAGA
TTGCAGTAAGGAGGCCAACTACGCAGATGAAAGATCTTTGCGGAAAATCAAGAACAAGATATTATTAA
TTTTAGACGAACCTTTATCGTGTCTGGTCTCGAGTTAGAAATATTGAAGATGGTGGCCGCTACAGGGAT
ATTTACAGCTGAATTTTTCCGTAGAAATCCAGCTTGCCCTCACAGATTAGTCCCCTGGTAAAACGTGAAC
TTACAGTTCTTTTTGGAGCTCATGGATCTTTAGTGAATATTGTCCAGCATATTATCATGAGTAATGTTAC
TCGCTATGACTTGGAGAGTCAGGCATTTGTGTCTGATTTAAGACCATTTTACTTAATCGAACTGAGCAT
TTTATACATGAATTTATCAGTTTTGCCGATCTCCTTTTAAACATGGCAGCCTTTGACCAGCATGCCAATT
ATGATTGCCCTGCTCCTTCATACGAAGAAGGCAGCCATTCTGATTCTTCAGTCATAACAATATCTCCAGA
TGAGGCTGAGACCAAGAGCTGGATATTAATGTAGCCACTGTTAGTCAGGCACCATGGGATGATGAAAT
GTTGAGTGAAGAAGCTTGTACAGGAGGAGCCAGTCTCAGATACAAGGAGTACAACCAATGACGACCT
AAATAATGACAGTGATGATTCTCAGATAATTGTGTCATTGTTGGGTTTGTAAACCACTAGCTGAGAGG
ACCCAGAACTTGTGAACTGTCCTCTGATTCTGAGGACTTAGGTTCTTATGAGAAAATGGAGACAGTGA
AGACACAAGAACAGGAGCAATCTTACAGTTCTGGTGATAGCGATGTTAGTAGATGCTCATCTCCACTC
TGTCTTGGAAAGGATGAACAAATAAATAAAGGTCATTGTGATTCTAGTACAAGAATCAAATCAAAGAAG
GAAGAGAAACGATCTACATCATTGTCATCTCCAGAACTGAACTCATCTGTAAGAGGAGACAGAGTAT
ATCTCCATAAACCATAGACACAGAAAGAGGGGAAGTCAAGAAGTTCAGATTCAGTTCTCAGAGTAG
AAGTGGGCATGATCAGAAGAATCATAGAAAGCATCATGGGAAGAAAAGAAATGAAAAGTAAACGATCCAGA
AGCAGGGAAGTAGCAGACCTAGAGGGAGAAGAGACAAAAGAGATCAAGAAGTAGAGATAGCAGTTGGT
CCAGAAGAAGCCAACTCTGTCTAAGTAGTGAAGCACAAGCAGATCAAGGTCTCGTAGCAGTGATCA
TGGTAAAAGAAGATCACGGAGCAGAAATAGAGATCGTTATTATTTAAGAAATAATTATGGAAGCAGATAC
AAATGGGAGTACTTATTACAGTAGAAACAAGGACAGGGATGGGTACGAATCATCTTACAGGAGGAGGA
CTCTGTCCAGAGCTCATTATTCTAGACAGTCTTCAAGTCCAGAATTTAGAGTTTCAAGTCTCTTTTCTGAAA
AACAAATGCTAGGAAAAAATAATCACAGTGAGAGGAAGTATTACTACTATGAAAGGCACAGATCAAGG
AGCCTGTCTAGTAACAGATCAAGGACTGCATCTACCGGACTGACCGGGTGAAGAAATGAAAAGCCTGGAG
GGAAACGAAAATACAAAACACGGCATTGGAGGGTACTAACGAAGTGGCTCAGCCATCTCGTGAATTTGC
TTCTAAAGCAAAGGACAGTCATTACAAAAATCTTCATCAAAATTTGGATGGAAACTACAAAATGAGAGT
GATACCTTTTTCAGACAGCCGATCATCAGACAGAGAGACAAAACAAAAGGAGAAAAAGGAAAGCCCGGA
GCCTAAGTGTAGAGATAGTTTATGAAGGAAAAGCTACTGATACAATAAACACCAATAAAAAGAAAAAGAA
GAAACATAAGAAGAAGCATAAGAACAACCATGGAGATAATGCTTCACGTTCCCGAGTTGTAATTACCATT
GACAGTGACAGTGATAAGGATTCTGAAGTAAAGGAGGATACAGAATGTGACAATAGTGGTCTCAAGACC
CTCTACAAAATGAGTTTTTGGCTCCTTCTTGGAAACCTTTGAACTAAAGATGTAGTTACAATAGAAGC
TGAATTTGGTGTGCTGGACAAGGAATGTGATATTGCCACACTTAGTAACAACCTGGAATAATGCCAACAA
ACTGTAGATAATATCCACCTCTGGCAGCTTCAGTTGAACAACTCTCGATGTAAGAGAAGAGACCTT
TTGTTTCTGATTTGGAGAACCAGCCAGTAACATTGTGTCTCTTCAAACCTGAGCCATCAAGGCAATTGCC
ATCGCCACGGACATCATTAAATGTGAGTATGCTTGGTAGAGACTGTGATATGTCTTAA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005802 unedited
TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGATTCTATTTCCATTCTGTGA
GGGCAGAAGATGACTTCAAGGAGTATGTCTAAGGCCCTTCGTATAATGGTCTTTTGTCA
CCCCTGATCGACGATTTCCGCTACCGTACAACCTCTGACAAGGGAACGAAATGCTTCTGTGT
ATTCACCTACTGGTCTGTGAACAGAAGAACAACAACCTCCACCGGATAGTGGAGTACTGT
TTGAAGGGTTAGGCATTTCAACAAGACCTAGAGATGTTGAAATTCCTCAGTTTATGAGAC
AGATTGCAGTAAGGACGCCAACCTACGGCAGATGAAAGATCTTTGCGGAAAATTC AAGAAC
AAGATATTATTAATTTTAGACGAACTCTTTATCGTGCTGGTGCTCGAGTTAGAAATATTG
AAGATGGTGGCCGCTACAGGGATATTTTCAGCTGAATTTTCCGTAGAAATCCAGCTTGCC
TTCACAGATTAGTCCCCTGGTTAAAACGTGAACCTACAGTTCTTTTGGAGCTCATGGAT
CTTTAGTGAATATTGTCCAGCATATTATCATGAGTAATGTAACCTGCTATGACTTGAAAA
GTCAAGCATTTGGGTCTTGATTTAAAACCCATTTTACTTATCCGACTGACCCATTTTAT
CCATGAATTTAATTAGTTTGGCCCGATCTCCTTTTAAACATGGCAGCTCTTGACCCCA
TGCCAATTATGATTGCCCTGCTCCTTCTACAAAAAGGAGCCTTTTGTCTTTAATCTT
ACAATATTCTCCGAATGAGGCGGACACCCAAAACCTGTTTTAAAGGCACCACTGTTTACT
CCGGCCCTTGGGAAGATGGATATTCAGACACCTTTTCTCAACTTAAACCAGGCCCCCGT
CCCTATCGCCTTTTTTAAACCTTCGAAGGAAAAAAAAAACTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005802 unedited
CACGTGTACGAGCCGCCGCGAGATCGAGTTAATTTCTTTTTGTTTCTGTTTTAAAGT
GTTACTGGTTATTTTTTTCTTTTGTGCAATACACATTTGTTTTACTGGCAGTCCAGAT
AAACAAGTTTATAAAGGAAATAGTAAATTTTTATTTTGGCAGAAGATAAACTGTGCAGAT
TAAATGCCTCAATTTAACCTGAAGAAAGTTCTGATCATATAAATTTTTAAGAAGAAAA
ATAAAGACTGTCCAAAGGGATTCTCCTAGCTTATAACACATTTCCAGAATAACTCTCAA
AAAAAAAAATCAAAAATACTCATTGACTACCTTAAAAATATGTCAATACCGTTTGGCTT
TATGAAATAACTTCTAAAATTTATATAATTTTCTTATTTAAAAAGGACCCCAAGTTTTA
AATAAGCTGTACCAGTCTATTTTCTTCACTTAAAAGTGCATATCTTTGAGGGTGGGAC
ATCCCTTTTGAACAAATAATGATTTTTTACAATTACCCCCACACAAAAATCTTTTATAA
TTTTTGCAGGTGGAAGAGAGTTTTCCCAAATGCATCTTTTAAATCGACTGCGGTGGACG
ACATTCTTCTTTTTCCCTTTTTTTACCTCCTTCTCCTGAAATGCCTTCGGCCGCTT
TCCGACTCCTCCAGTCTTTCCCTCTCTTCTGCCCTTACGGAGCCCCGGGCCCTTG
GCCTTTGGCCTCTGTTGCCCACTTTTGGNGATCCCCCTCGTTCCGGGCTGGTTTTCTT
CTCCTCCACGCGGGCGGTCTTTTTTTCTTTTCTTGGGGTTCTGCTCCTCTGTGGCC
TCGCCTTGGGGGGGATTTTTCTTCCCTCTTGTGCGCCCTTTCTTTGTGTCTGCTCCCC
CGCGGGTGGTCTCCGTCCGTGCGCTGCGCGCCGCACTCGTTTCCCGCTCCTTGTCCCT
CCCCTGTCTAACTGATAATAACACAAAAACAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_005802

Insert Size:

3370 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_005802.1](#), [NP_005793.1](#)

RefSeq Size: 4183 bp

RefSeq ORF: 2448 bp

Locus ID: 10210

UniProt ID: [Q9NS56](#)

Cytogenetics: 9p21.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a nuclear protein which is serine and arginine rich, and contains a RING-type zinc finger domain. It is highly expressed in the testis, and functions as an ubiquitin-protein E3 ligase. Mutations in this gene are associated with retinitis pigmentosa type 31. Alternatively spliced transcript variants, encoding different isoforms, have been observed for this locus. [provided by RefSeq, Sep 2010]
 Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).