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Product datasheet for SC115748

TOPBP1 (NM_007027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOPBP1 (NM_007027) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOPBP1
Synonyms:	Dpb11; TOP2BP1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007027, the custom clone sequence may differ by one or more nucleotides

ATGTCCAGAAATGACAAAGAACCGTTTTTTGTGAAGTTTTTAAAGTCTTCAGACAATTCCAAATGTTTTT
TTAAAGCTCTCGAGTCCATAAAAGAATTCCAATCAGAAGAATATCTTCAGATTATTACAGAAGAAGAGGC
ATTGAAGATAAAGGAGAATGATAGATCACTTTATATCTGTGACCCTTTTAGTGGCGTTGTCTTTGATCAC
CTCAAAAAGCTTGGCTGCAGAATTGTTGGTCCTCAAGTAGTCATATTTTGTATGCACCACCAGCGATGTG
TCCCAAGAGCCGAACATCCAGTTTATAATATGGTTATGTCTGATGTAACCATATCTTGTACAAGTCTGGA
AAAAGAAAAAAGGGAAGAAGTTCATAAATATGTACAAATGATGGGCGGACGAGTATACAGAGACCTTAAT
GTATCAGTAACTCACCTTATTGCAGGAGAAGTTGGTAGCAAAAAATATTTAGTTGCTGCAAACCTGAAGA
AACCTATTTTGCTTCCCTCTTGGATAAAAACACTTTGGGAGAAGTCACAAGAGAAAAAAATAACTAGATA
TACTGATATAAACATGGAAGATTTCAAGTGTCCTATTTTTCTTGGTTGCATAATCTGTGTGACTGGCTTA
TGTGGCTTAGACAGGAAAGAAGTTCAGCAACTCACAGTTAAGCATGGAGGTCAATACATGGGACAATTGA
AAATGAATGAATGTACACACCTCATTGTGCAAGAACCAAAAGGTCAGAAGTATGAGTGTGCCAAGAGATG
GAATGTACACTGTGTGACCACACAGTGGTTTTTTGACAGTATTGAGAAAGGTTTTTGTCAGGATGAATCC
ATATACAAGACAGAACCTAGACCAGAAGCAAAGACTATGCCCAATTCTTCAACTCCTACCAGCCAGATCA
ACACAATTGATAGTCGTACTCTTTCAGATGTCAGCAATATTTCCAACATAAATGCAAGTTGCGTAAGTGA
ATCAATATGTAATTCACTTAACAGCAAACTGGAGCCTACACTTGAAAATCTAGAAAATCTGGATGTCAGT
GCATTTCAAGCACCTGAAGATTTATTAGATGGTTGTCGGATATATCTTTGCGGTTTTAGTGGCAGAAAGC
TAGATAAACTGAGAAGACTTATTAACAGTGGAGGTGGAGTTCGTTTTAACCAGCTAAATGAAGATGTAAC
TCATGTTATTGTGGGAGATTATGATGATGAATTGAAGCAGTTTTGGAATAAATCAGCCCACAGGCCTCAT
GTAGTGGGAGCAAAGTGGTTGCTAGAGTGTTTCAGTAAAGGTTATATGCTTTCTGAAGAACCATATATCC
ATGCTAATTACCAGCCAGTGGAAATTCCAGTTTCACATAAGCCTGAAAGTAAAGCAGCTCTTTTAAAAAA
GAAGAACAGCAGCTTCTCTAAGAAAGACTTTGCTCCTAGTGAAAAGCATGAGCAAGCTGATGAAGATCTG
CTCTCTCAATATGAAAATGGTAGCTCCACAGTAGTTGAGGCTAAGACGTCTGAAGCCAGGCCCTTTAATG
ATTCTACTCATGCTGAGCCCTTGAATGATTCTACTCACATTTCTTTGCAAGAAGAAAACCAGTCTTCTGT

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CAGTCATTGTGTCCCTGATGTTTCTACAATTACTGAAGAAGGCTTATTTAGCCAAAAGAGTTTCCTTGTT
TTGGGTTTTAGTAATGAAAATGAATCTAACATCGCAAACATCATAAAAGAAAATGCTGGGAAAATCATGT
CCCTTCTGAGCAGAACTGTTGCGGATTATGCTGTGGTTCCTCTGCTGGGGTGTGAAGTGGAAGCCACTGT
GGGAGAAGTTGTTACAAATACATGGCTGGTTACTTGCATAGACTATCAGACTTTGTTTGATCCAAAGTCG
AATCCTCTCTTCACACCAGTTCCAGTAATGACAGGAATGACTCCTTTAGAGGATTGTGTTATTTCATTTA
GCCAGTGTGCTGGAGCAGAAAAAGAGTCTTTAACATTCCTAGCAAACCTCCTTGGAGCAAGTGTTCAAGA
ATACTTTGTTCGCAAATCCAATGCAAAGAAAGGCATGTTTGCCAGTACTCATCTTATACTGAAAGAACGT
GGTGGCTCTAAATATGAAGCTGCAAAGAAGTGGAATTTACCTGCCGTTACTATAGCTTGGCTGTTGGAGA
CTGCTAGAACGGGAAAGAGAGCAGACGAAAGCCATTTTCTGATTGAAAATTCAACTAAAGAAGAACGAAG
TTTGGAAACAGAAATAACAAATGGAATCAATCTAAATTCAGATACTGCAGAGCATCCTGGCACACGCCTG
CAAACTCACAGAAAAACCGTCGTTACACCTTTAGATATGAACCGCTTTCAGAGTAAAGCTTTCCGTGCTG
TGGTCTCACAACATGCCAGACAGGTCGCAGCCTCCCCAGCAGTAGGACAACCACTTCAGAAGGAGCCCTC
GTTACACCTGGATACACCATCAAAATTCCTGTCCAAGGACAAACTCTTCAAGCCTTCCTTTGATGTGAAG
GATGCACTTGCAGCCTTGGAAACTCCAGGACGTCCCAGCCAACAGAAAAGGAAACCGAGTACGCCACTCT
CAGAAGTTATTGTCAAAAACTTGCAACTTGCTTTGGCAAATAGCTCTCGAAATGCTGTCGCTCTTTCTGC
CAGCCCTCAACTGAAAGAGGCCCAGTCAGAGAAGGAAGAAGCCCCAAAGCCACTTCACAAAGTAGTGGTA
TGTGTTAGTAAAAAACTCAGTAAGAAGCAGAGTGAACTAAATGGGATCGCAGCCTCTCTAGGAGCAGATT
ACAGGTGGAGTTTTGATGAAACAGTGACTCATTTCATCTATCAAGGGCGGCCAAATGACACTAATCGGGA
GTATAAATCTGTAAAAGAAAGAGGAGTACACATTGTTTCCGAGCACTGGCTTTTAGATTGTGCCCAAGAG
TGTAAACATCTTCCTGAATCTCTTTATCCACATACTTATAATCCCAAAATGAGCTTGGATATCAGCGCAG
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TCCTTTGATTTTAGAAGAAAATGATGTAGACAATATGGCCACCAATAATAAAGAGTCAGCACCATCAAAT
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AGTTACAGGAGATAATGTCTGCAACATCAATAGTGAAACCCCAAGGGCAGAGGACTTCCCTTTCAAGAAG
TGGTTGTAACAGCGCATCTTCAACCCCTGACAGCACTCGCTCTGCTCGCAGTGGACGAAGTAGAGTCCTA
GAGGCACTGAGGCAGTCTCGTCAGACAGTACCTGATGTCAACACAGAGCCTTCCCAAAATGAACAGATCA
TTTGGGATGACCCTACAGCAAGGGAGGAGAGAGCAAGGCTTGCCAGCAATTTGCAGTGGCCTAGTTGTCC
CACACAATACTCTGAGCTTCAGGTTGACATTCAAAACTTGGAGGATTCTCCTTTTCAAAAGCCTTTACAT
GATTCAGAAATTGCTAAACAGGCTGTCTGTGATCCTGGAAACATACGTGTGACTGAAGCTCCCAAACACC
CAATCTCTGAAGAACTGGAAACTCCCATAAAAGACAGCCACCTGATCCCTACGCCTCAAGCCCCCAGTAT
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CGCTCCTACCTTGAAGCCTGCAGGACTGCTGGACACTTCGTGCAGGAAGAAGACTATGAATGGGGAAGTA
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GAGAAAAAAAATCCAGCAAAGACAAGAATCTGGCATTGTTGAGGGAGCATTTAGTGGGTGGAAGGTTATT
TTACATGTGGATCAGTCTCGAGAAGCAGGCTTCAAACGCCTTCTTCAGTCAGGAGGAGCAAAGGTGCTAC
CTGGTCATTCTGTACCTTTATTTAAAGAGGCCACACATCTTTTTTCTGACTTGAATAAACTGAAACCAGA
TGACTCAGGAGTTAATATAGCAGAAGCTGCTGCCCAGAACGTGTACTGCTTGAGAACAGAATACATTGCT
GATTATCTCATGCAGGAATCACCTCCTCATGTAGAAAATTACTGTCTACCAGAAGCTATTTCATTTATTC
AGAATAATAAGGAACTTGGGACTGGATTATCACAAAAGAGGAAAGCTCCTACAGAAAAAAATAAAATCAA
ACGACCTAGAGTACACTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007027 unedited
TAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCCGACCCCAGCCACCGC
CCTGCGGCCAGCGCGTCCCCCGACTCGCCGCCCGGAGACCCCGAGGCTCCAACGAGTTCA
GAAATGTCCAGAAATGACAAAGAACCGTTTTTTGTGAAGTTTTTAAAGTCTTCAGACAAT
TCCAAATGTTTTTTTAAAGCTCTCGAGTCCATAAAAGAATTCCAATCAGAAGAATATCTT
CAGATTATTACAGAAGAAGAGGCATTGAAGATAAAGGAGAATGATAGATCACTTTATATC
TGTGACCCTTTTAGTGGCGTTGTCTTTGATCACCTCAAAAAGCTTGGCTGCAGAATTGTT
GGTCCTCAAGTAGTCATATTTTGTATGCACCACCAGCGATGTGTCCCAAGAGCCGAACAT
CCAGTTTATAATATGGTTATGTCTGATGTAACCATATCTTGTACAAGTCTGGAAAAAGAA
AAAAGGGAAGAAGTTCATAAATATGTACAAATGATGGGCGGACGAGTATACAGAGACCTT
AATGTATCAGTAACTCACCTTATTGCAGGAGAAGTTGGTAGCAAAAAATATTTAGTTGCT
GCAAACCTGAAGAAACCTATTTTGCTTCCCTCTTGGATAAAAACACTTTGGGAGAAGTCA
CAAGAGAANAAAATACTAGATATACTGATATAAACATGGAAGATNTCAAGTGTCCTATNT
TTCTTTGGTTGCATTAATCTGTGTGACTGGCTTATGTGGCTTAGACAGGAAAGAAGTCAG
CAACTCACAGNTAAGCATGNGAGTCAATACATGGGGACAATTGANAAATGATGAATGTAC
ACACCTCATTGTGCNAGAACCAAAGGTCANAGTATGAGTGTGCCAGAGATGAATGACACT
GTGTGACCCCCAGTGGTTTTTGACGTATGAAAAGGTTTTGTAAGAAGAATCTTACAN

Restriction Sites: NotI-NotI

ACCN: NM_007027

Insert Size: 3000 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_007027.2, NP_008958.1

RefSeq Size: 5378 bp

RefSeq ORF:	4308 bp
Locus ID:	11073
UniProt ID:	Q92547
Cytogenetics:	3q22.1
Domains:	BRCT
Gene Summary:	This gene encodes a binding protein which interacts with the C-terminal region of topoisomerase II beta. This interaction suggests a supportive role for this protein in the catalytic reactions of topoisomerase II beta through transient breakages of DNA strands. [provided by RefSeq, Jul 2008]