

Product datasheet for **MC223694**

Trp53bp2 (NM_173378) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trp53bp2 (NM_173378) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trp53bp2
Synonyms: 53BP2; AI746547; ASPP2; PPP1R13A; Tp53bp2; X98550
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223694 representing NM_173378
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGCGGTTCCGGTCCAAAATGATGCCGATGTTCTGACAGTTTACCTCAGTAACAGTGAGCAGCACTTCA
 CAGAAGTTCTGTTACCCAGAGACAATATGCAGAGATGGTGGATCTGTGCAAGGAGCCTGGAGAGAA
 CGACTGCCATTTAGCCGAAGTGGTGTGGCTCTGAACGCCAGTTGCTGATAACGAACGGATGTTTGAT
 GTTCTTCAGCGGTTTGGAAAGTCAAAGGAATGAAGTTCGCTTCTTCTTCGTCATGAACGCCCCCTAA
 CAAAGTTCCTGAGTGGACCGAGATCCCAAGATCCAAGTGTAAAAAGAAAATGGTGTCAAAGTTCCTG
 GCGA
 GCATCGGAGGAAGGAGAATGGGGTTAACAGTCTTAGGCTGGACCTGACGCTTGTGAGCTCCAGGAGATG
 GCATCTCGCCAGCAGCAGCAGATCGAGGCCAGCAACAAATGCTGGCTACTAAGGAGCAACGCTTAAAGT
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 AATAGCTGAAAGTCAGGAAGCTAAGCTTAAGAAAGTGAGAGCGCTAAAGGGCCATGTGGAGCAAAAGAGG
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 TGGTGTGGCTGTGTCGAAAGTGGAGGAGCTGACGAGGCAGCTGGAGATGCTGAAGAACGGCAGGATCGA
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 GAAAGAGAATCTCCCGTTCACCTGATGGAAATCTTCCCAACAAGCAGTGTGACGCCCCAAGTCGTGTG
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 AGCCAGCCCTGCCTGATGGTTCCTTGTGCTGAGTGCAGTGCAGAGGGGCAATGAAGATACAGACTGCC
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 AGTGGACCAGTGTGCTGCCCCACCTCCTTTGGTACCCTGAGGAAAAACAGAGCAGCGAGGACATCTTG
 CGGGATGCTCAGGCTGTAATAAAAAATGTAGCTAAAGTACCACCTCCCGTTCCTACAAAGCCAAAACAGA



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TTCATTTGCCTTACTTTGGACAAACGGCTCAGTCGCCTTCTGACATGAAGCCAGATGAAATGCTCAGCA
ATTGCCAATAGCTGCTACATCCGTGGGGCTAAGCTCAAGCCAGCAGGGCCACAGGCAAGGATGCTGCTG
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TACTTGAAGTGTACCTAGAAGAATACCCCCCATACCCACCCCTCCATACCCATCTGGGGAGCCAGAGGT
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AGGACAAACTTGGGAAAATGGCTCCGAGCGGATTGCTCACGGGATGAGGGTGAATTAACCCCTTG
CTTTGCTGCTAGATTCATCTCTGGAGGGAGAGTTTGTCTTGTACAGAGAATTATCTATGAGGTTGATGA
CCCAAGCTACCAATGATGAGGGCATCACAGCTTTCATAATGCTGTGTGTGCAGGCCACACAGAAAT
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GTGCTGCCTCTGCAACAATGTCCAAGTGTGAAGTTCCTGGTGGAGTCTGGAGCAGCTGTGTTTGCTAT
GACCTACAGTGACATGCAGACTGCTGCAGACAAGTGCAGGAAATGGAGGAAGGCTACACGCAGTGCCTCC
CAGTTTTCTATGGCGTTTCAGGAGAAGATGGGCATAATGAACAAAGCGTCATTTATGCACTGTGGGATT
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GGACTATACCAAGAATTAACCAAGACAAAGGAGCTTGGCTGA
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA
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- Restriction Sites:** Sgfl-RsrII
- ACCN:** NM_173378
- Insert Size:** 3405 bp
- OTI Disclaimer:** 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).
- 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_173378.2](#), [NP_775554.2](#)

RefSeq Size: 4377 bp

RefSeq ORF: 3405 bp

Locus ID: 209456

UniProt ID: [Q8CG79](#)

Cytogenetics: 1 84.93 cM

Gene Summary: Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions. Regulates p53/TP53 by enhancing the DNA binding and transactivation function of p53/TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of APPBP1 to conjugate NEDD8 to CUL1, and thereby decreases APPBP1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42 (By similarity).[UniProtKB/Swiss-Prot Function]