# 53BP1

Expressed:
**mCherry 53BP1**

Plasmid:
**pcDNA5-FRT/TO-mCherry 53BP1**

Parent Plasmid:
**pcDNA5 FRT/TO mCherry**

DU Number:
**DU33919**

Genbank:
**NM_001141980.1**

Species:
**Human**

Synonyms:
**TP53BP1**, **TDRD30, TP53, p202, p53BP1**

Sequence of Insert:
**GGTACCGCCACCATGGACCCTACTGGAAGTCAGTTGGATTCAGATTTCTCTCAGCAAGATACTC**
**CTTGCCTGATAATTGAAGATTCTCAGCCTGAAAGCCAGGTTCTAGAGGATGATTCTGGTTCTCAC**
**TTCAGTATGCTATCTCGACACCTTCCTAATCTCCAGACGCACAAAGAAAATCCTGTGTTGGATGT**
**TGTGTCCAATCCTGAACAAACAGCTGGAGAAGAACGAGGAGACGGTAATAGTGGGTTCAATGA**
**ACATTTGAAAGAAAACAAGGTTGCAGACCCTGTGGATTCTTCTAACTTGGACACATGTGGTTCCA**
**TCAGTCAGGTCATTGAGCAGTTACCTCAGCCAAACAGGACAAGCAGTGTTCTGGGAATGTCAGT**
**GGAATCTGCTCCTGCTGTGGAGGAAGAGAAGGGAGAAGAGTTGGAACAGAAGGAGAAAGAGA**
**AGGAAGAAGATACTTCAGGCAATACTACACATTCCCTTGGTGCTGAAGATACTGCCTCATCACA**
**GTTGGGTTTTGGGGTTCTGGAACTCTCCCAGAGCCAGGATGTTGAGGAAAATACTGTGCCATAT**
**GAAGTGGACAAAGAGCAGCTACAATCAGTAACCACCAACTCTGGTTATACCAGGCTGTCTGATG**
**TGGATGCTAATACTGCAATTAAGCATGAAGAACAGTCCAACGAAGATATCCCCATAGCAGAACA**
**GTCCAGCAAGGACATCCCTGTGACAGCACAGCCCAGTAAGGATGTACATGTTGTAAAAGAGCA**
**AAATCCACCACCTGCAAGGTCAGAGGACATGCCTTTTAGCCCCAAAGCATCTGTTGCTGCTATG**
**GAAGCAAAAGAACAGTTGTCTGCACAAGAACTTATGGAAAGTGGACTGCAGATTCAGAAGTCAC**
**CAGAGCCTGAGGTTTTGTCAACTCAGGAAGACTTGTTTGACCAGAGCAATAAAACAGTATCTTCT**
**GATGGTTGCTCTACTCCTTCAAGGGAGGAAGGTGGGTGTTCTTTGGCTTCCACTCCTGCCACCAC**
**TCTGCATCTCCTGCAGCTCTCTGGTCAGAGGTCCCTTGTTCAGGACAGTCTTTCCACGAATTCTT**
**CAGATCTTGTTGCTCCTTCTCCTGATGCTTTCCGATCTACTCCTTTTATCGTTCCTAGCAGTCCCA**
**CAGAGCAAGAAGGGAGACAAGATAAGCCAATGGACACGTCAGTGTTATCTGAAGAAGGAGGAG**
**AGCCTTTTCAGAAGAAACTTCAAAGTGGTGAACCAGTAGAGTTAGAAAACCCCCCTCTCCTGCC**
**TGAGTCCACTGTATCACCACAAGCCTCAACACCAATATCTCAGAGCACACCAGTCTTCCCTCCTG**
**GGTCACTTCCTATCCCATCCCAGCCTCAGTTTTCTCATGACATTTTTATTCCTTCCCCAAGTCTGG**
**AAGAACAATCAAATGATGGGAAGAAAGATGGAGATATGCATAGTTCATCTTTGACAGTTGAGTG**
**TTCTAAAACTTCAGAGATTGAACCAAAGAATTCCCCTGAGGATCTTGGGCTATCTTTGACAGGGG**



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ATTCTTGCAAGTTGATGCTTTCTACAAGTGAATATAGTCAGTCCCCAAAGATGGAGAGCTTGAGT
TCTCACAGAATTGATGAAGATGGAGAAAACACACAGATTGAGGATACGGAACCCATGTCTCCAG
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**CTCCATGGGAGTTCTCTCAGGCAAAAGAAAACTTATCACTTCTGAAGAGGAACGGTCCCCTGCC**
**AAGCGAGGTCGCAAGTCTGCCACAGTAAAACCTGGTGCAGTAGGGGCAGGAGAGTTTGTGAGC**
**CCCTGTGAGAGTGGAGACAACACCGGTGAACCCTCTGCCCTGGAAGAGCAGAGAGGGCCTTTG**
**CCTCTCAACAAGACCTTGTTTCTGGGCTACGCATTTCTCCTTACCATGGCCACAACCAGTGACAA**
**GTTGGCCAGCCGCTCCAAACTGCCAGATGGTCCTACAGGAAGCAGTGAAGAAGAGGAGGAATT**
**TTTGGAAATTCCTCCTTTCAACAAGCAGTATACAGAATCCCAGCTTCGAGCAGGAGCTGGCTATA**
**TCCTTGAAGATTTCAATGAAGCCCAGTGTAACACAGCTTACCAGTGTCTTCTAATTGCGGATCAG**
**CATTGTCGAACCCGGAAGTACTTCCTGTGCCTTGCCAGTGGGATTCCTTGTGTGTCTCATGTCTG**
**GGTCCATGATAGTTGCCATGCCAACCAGCTCCAGAACTACCGTAATTATCTGTTGCCAGCTGGG**
**TACAGCCTTGAGGAGCAAAGAATTCTGGACTGGCAACCCCGTGAAAATCCTTTCCAGAATCTGA**
**AGGTACTCTTGGTATCAGACCAACAGCAGAACTTCCTGGAGCTCTGGTCTGAGATCCTCATGAC**
**TGGTGGTGCAGCCTCTGTGAAGCAGCACCATTCAAGTGCCCATAACAAAGATATTGCTTTAGGG**
**GTATTTGATGTGGTGGTGACGGACCCCTCATGCCCAGCCTCGGTGCTGAAGTGTGCTGAAGCAT**
**TGCAGCTGCCTGTGGTGTCACAAGAGTGGGTGATCCAGTGCCTCATTGTTGGGGAGAGAATTGG**
**ATTCAAGCAGCATCCAAAATATAAACACGATTATGTTTCTCACTAAGCGGCCGC**

Amino Acid Sequence:

**MVSKGEEDNMAIIKEFMRFKVHMEGSVNGHEFEIEGEGEGRPYEGTQTAKLKVTKGGPLPFAWDILS**
**PQFMYGSKAYVKHPADIPDYLKLSFPEGFKWER VMNFEDGGVVTVTQDSSLQDGEFIYKVKLRGTN**
**FPSDGPVMQKKTMGWEASSERMYPEDGALKGEIKQRLKLKDGGHYDAEVKTTYKAKKPVQLPGAY**
**NV NIKLDITSHNEDYTIVEQYERAEGRHSTGGMDELYKSGLGSSRKGTATMDPTGSQLDSDFSQQDT**
**PCLIIEDSQPESQVLEDDSGSHFSMLSRHLPNLQT HKENPVLDVVSNPEQTAGEERGDGNSGFNEHL**
**KENKVADPVDSSNLDTCGSISQVIEQLPQPNRTSSVLGMSVESAPAVEEEKGEELEQKEKEKEEDTS**
**G NTTHSLGAEDTASSQLGFGVLELSQSQDVEENTVPYEVDKEQLQSVTTNSGYTRLSDVDANTAIKH**
**EEQSNEDIPIAEQSSKDIPVTAQPSKDVHVVKEQ NPPPARSEDMPFSPKASVAAMEAKEQLSAQEL**
**MESGLQIQKSPEPEVLSTQEDLFDQSNKTVSSDGCSTPSREEGGCSLASTPATTLHLLQLSGQRSLV**
**Q DSLSTNSSDLVAPSPDAFRSTPFIVPSSPTEQEGRQDKPMDTSVLSEEGGEPFQKKLQSGEPVELE**
**NPPLLPESTVSPQASTPISQSTPVFPPGSLPIPS QPQFSHDIFIPSPSLEEQSNDGKKDGDMHSSSLTV**
**ECSKTSEIEPKNSPEDLGLSLTGDSCKLMLSTSEYSQSPKMESLSSHRIDEDGENTQIEDTEPMS PVL**
**NSKFVPAENDSILMNPAQDGEVQLSQNDDKTKGDDTDTRDDISILATGCKGREETVAEDVCIDLTCDS**
**GSQAVPSPATRSEALSSVLDQEEAMEIKE HHPEEGSSGSEVEEIPETPCESQGEELKEENMESVPLH**
**LSLTETQSQGLCLQKEMPKKECSEAMEVETSVISIDSPQKLAILDQELEHKEQEAWEEATSE DSSVVI**
**VDVKEPSPRVDVSCEPLEGVEKCSDSQSWEDIAPEIEPCAENRLDTKEEKSVEYEGDLKSGTAETEP**
**VEQDSSQPSLPLVRADDPLRLDQELQQ PQTQEKTSNSLTEDSKMANAKQLSSDAEAQKLGKPSAH**
**ASQSFCESSSETPFHFTLPKEGDIIPPLTGATPPLIGHLKLEPKRHSTPIGISNYPESTIAT SDVMSESM**
**VETHDPILGSGKGDSGAAPDVDDKLCLRMKLVSPETEASEESLQFNLEKPATGERKNGSTAVAESV**
**ASPQKTMSVLSCICEARQENEARSED PPTTPIRGNLLHFPSSQGEEEKEKLEGDHTIRQSQQPMKPI**
**SPVKDPVSPASQKMVIQGPSSPQGEAMVTDVLEDQKEGRSTNKENPSKALIERPSQNNI GIQTMECS**
**LRVPETVSAATQTIKNVCEQGTSTVDQNFGKQDATVQTERGSGEKPVSAPGDDTESLHSQGEEEFD**
**MPQPPHGHVLHRHMRTIREVRTLVTR VITDVYYVDGTEVERKVTEETEEPIVECQECETEVSPSQTGG**
**SSGDLGDISSFSSKASSLHRTSSGTSLSAMHSSGSSGKGAGPLRGKTSGTEPADFALP SSRGGPGK**
**LSPRKGVSQTGTPVCEEDGDAGLGIRQGGKAPVTPRGRGRRGRPPSRTTGTRETAVPGPLGIEDISP**
**NLSPDDKSFSRVVPRVPDSTRRTDV GAGALRRSDSPEIPFQAAAGPSDGLDASSPGNSFVGLRVVA**
**KWSSNGYFYSGKITRDVGAGKYKLLFDDGYECDVLGKDILLCDPIPLDTEVTALSEDEY FSAGVVKG**
**HRKESGELYYSIEKEGQRKWYKRMAVILSLEQGNRLREQYGLGPYEAVTPLTKAADISLDNLVEGKR**
**KRRSNVSSPATPTASSSSSTTPTRK ITESPRASMGVLSGKRKLITSEEERSPAKRGRKSATVKPGAV**
**GAGEFVSPCESGDNTGEPSALEEQRGPLPLNKTLFLGYAFLLTMATTSDKLASRSKLP DGPTGSSE**
**EEEEFLEIPPFNKQYTESQLRAGAGYILEDFNEAQCNTAYQCLLIADQHCRTRKYFLCLASGIPCVSHV**
**WVHDSCHANQLQNYRNYLLPAGY SLEEQRILDWQPRENPFQNLKVLLVSDQQQNFLELWSEILMTG**
**GAASVKQHHSSAHNKDIALGVFDVVVTDPSCPASVLKCAEALQLPVVSQEWVIQCLI**
**VGERIGFKQHPKYKHDYVSH***

Antibiotic:

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**Amp**

Comments:
**Contains two silent nucleotide changes as compared to the ref sequence; G>A 1245bp and G>A 3153 bp.**

Price per aliquot:
**£110.00**

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