

## Product datasheet for **MC205636**

### Trp53 (NM\_011640) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trp53 (NM\_011640) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Trp53  
**Synonyms:** bbl; bfy; bhy; p4; p5; p44; p53; Tp53  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC005448  
AAGTTCGTAGCTTCAGTTCATTGGGACCATCCTGGCTGTAGGTAGCGACTACAGTTAGGGGGCACCTAG  
CATTGAGGCCCTCATCCTCCTCCTCCAGCAGGGTGTACGCTTCTCCGAAGACTGGATGACTGCCATG  
GAGGAGTCACAGTCGGATATCAGCCTCGAGCTCCCTCTGAGCCAGGAGACATTTTCAGGCTTATGGAAC  
TACTTCTCCAGAAGATATCCTGCCATCACCTCACTGCATGGACGATCTGTTGCTGCCCCAGGATGTTGA  
GGAGTTTTTTGAAGGCCAAGTGAAGCCCTCCGAGTGTGAGGAGCTCCTGCAGCACAGGACCCTGTCACC  
GAGACCCCTGGGCCAGTGGCCCTGCCCCAGCCACTCCATGGCCCTGTCATCTTTTGTCCCTTCTCAA  
AACTTACCAGGGCAACTATGGCTTCCACCTGGGCTTCTGCAGTCTGGGACAGCCAAGTCTGTTATGTG  
CACGACTCTCCTCCCCTCAATAAGCTATTCTGCCAGTGGCGAAGACGTGCCCTGTGCAGTTGTGGGTC  
AGCGCCACACCTCCAGCTGGGAGCCGTGTCCGCGCATGGCCATCTACAAGAAGTACAGCACATGACGG  
AGGTCGTGAGACGCTGCCCCACCATGAGCGCTGCTCCGATGGTATGGCTGGCTCCTCCCCAGCATCT  
TATCCGGGTGGAAGGAAATTTGTATCCCGAGTATCTGGAAGACAGGCAGACTTTTCGCCACAGCGTGGT  
GTACCTTATGAGCCACCCGAGGCCGGCTCTGAGTATACCACCATCCAACAAGTACATGTGAATAGCT  
CCTGCATGGGGGGCATGAACCGCCGACCTATCCTTACCATCATCACACTGGAAGACTCCAGTGGGAACCT  
TCTGGGACGGGACAGCTTTGAGGTTTCGTGTTTGTGCTGCCCTGGGAGAGACCGCGTACAGAAGAAGAA  
AATTTCCGCAAAAAGGAAGTCTTTGCCCTGAAGTGGCCCGAGGAGCGCAAAGAGAGCGTGGCCACCT  
GCACAAGCGCTCTCCCCGCAAAAAGAAAAAACCACTTGATGGAGAGTATTTACCCTCAAGATCCGCGG  
GCGTAAACGCTTCGAGATGTTCCGGGAGCTGAATGAGGCCTTAGAGTTAAAGGATGCCATGCTACAGAG  
GAGTCTGGAGACAGCAGGGCTCACTCCAGCTACCTGAAGACCAAGAAGGGCCAGTCTACTTCCCGCCATA  
AAAAACAATGGTCAAGAAAGTGGGGCCTGACTCAGACTGACTGCCTCTGCATCCCGTCCCCATCACCAG  
CCTCCCCCTCTCCTTGCTGCTTATGACTTCAGGGCTGAGACACAATCCTCCCGTCCCTCTGCTGCCT  
TTTTTACCTTGTAGCTAGGGCTCAGCCCCCTCTGAGTGTGTTTCTGGCCCAAGTTGGGGAATAGGT  
TGATAGTTGTGAGGCTCTGCTGGCCAGGAAATCTATCCAGCCAGTGTGGACCCTGGCACCTACA  
ATGAAATCTCACCTACCCACACCCTGTAAGATTCTATCTTGGGCCCTCATAGGTTCCATATCCTCCAG  
GGCCTACTTCTCCATTCTGCAAAGCCTGTGCAATTTATCCACCCCCACCCTGTCTCCCTTTTTT  
TTTTTTTTTACCCTTTTTATATATCAATTTCTATTTTACAATAAAATTTTGTATCACTTAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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|-------------------------------|---|
| <b>Restriction Sites:</b>     | RsrII-NotI  |
| <b>ACCN:</b>                  | NM_011640   |
| <b>Insert Size:</b>           | 1173 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="#">BC005448</a> , <a href="#">AAH05448</a>   |
| <b>RefSeq Size:</b>           | 1782 bp   |
| <b>RefSeq ORF:</b>            | 1173 bp   |
| <b>Locus ID:</b>              | 22059   |
| <b>UniProt ID:</b>            | <a href="#">P02340</a>  |
| <b>Cytogenetics:</b>          | 11 42.83 cM   |
| <b>Gene Summary:</b>          | <p>This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mice deficient for this gene are developmentally normal but are susceptible to spontaneous tumors. Evidence to date shows that this gene contains one promoter, in contrast to alternative promoters of the human gene, and transcribes a few of splice variants which encode different isoforms, although the biological validity or the full-length nature of some variants has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p> |