

Product datasheet for **MC206366**

Usp1 (BC018179) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Usp1 (BC018179) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Usp1 |
| Synonyms: | MGC25559 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF:

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>BC018179
CTGAGACTGAGGAAAACGCGCAAGTCCCCCTCGGCGGCCGTGCGGGGACCTGCGGCTCGGGAGCGCC
GCCACCGCTGTGCGCCCGTAGCCTTCCCGGCGGGGCTGCGCCGGGGATGTAGTGGTGCCGCGGGGCGAG
GACCGAGCGGGCGCCGGCTCCCGCTCCGCGGACGAATGGTCACTCCCCCGGGAGGCGCCACCAGCG
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TCATTATACGGAAGCAGAGCGAAGTCTCCTGTTTGATAAAATGCCTGAAGTTATCACTATTCATCTGAAG
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TGACACCTCTTAACTGTCACTAGAAGAATGGAGCACAAGCCGACGAATGACAGCTATGGATTATTTGC
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AAAGCAGATTATGAGCTGTACAACAAAGCATCTAATCCTGATAAGGTGGTTGGGACACCATTACCGACA
ATAGAAATTTGAAACTAATGATACTACTAATGGGACCCAGCAATCTGACAGGAACAAGGAATCCAGTGA
CCAAACAGGCGTTAACATGAACGGACTTGAGAACAAAATTTCTATGTAGTGCAAAGCTTAAAGGAGTAC
GAGGGAAGTGGTTGCTCTTTGACGATTCTGAGGTAAGTGAAGTGAAGGAAAGAAAGACTTTCTGAATTCTC
TCTCCCCTTCTACATCCCCTACGTCTACTCCCTACTTGCTATTCTATAAAAAAATTATAGTGAATATTT
CCCCTGTAATATTAACAGACCTGGACAGACGTTGGTAAAGTTGATTACATCTAAGAGTCTTTAGTTTA
TCTTTTGAAGCTATTGGATATTATTGGTCTCTCTAGGCTTTTATATAAATAGTGAGATTTTAAATACTGA
AAACCATGTTAATTTTTAGAATCATTTTCTTAGTAGAGACTAGTGATGGATGAGCTGGGAACAACTTG
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AATCTCTGCGCTGTATCAGAGGCACAAAGTCTAGAATATGTATATTCACAATGGTGTATATTTTGTGCC
TGAAATAACTTTGGAAGTGTCTCAGAAAACCTGGCAATCCCCTCTATCTTCATAAGAATTTTATATGTAT
TTATGAAGATGGCTCTGTACTCTAGTCAATCTTTTGGCATGACTAATTTGTATCTTTCATACTCTTTC
TGCACGATCTGTACATAGAACATCAACTTAGATGTGTGACCTTTAACTTTTTTAAAAAAGTGGGAGGTCAA
TAAAAATTAAGCTGTTTAAACAAAAAATAAAAAA
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| Restriction Sites: | RsrII-NotI |
| ACCN: | BC018179 |
| Insert Size: | 2355 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: | <ol style="list-style-type: none">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: | <u>BC018179</u> , <u>AAH18179</u> |
| RefSeq Size: | 3465 bp |
| RefSeq ORF: | 2355 bp |
| Locus ID: | 230484 |
| Cytogenetics: | 4 C6 |
| Gene Summary: | This gene encodes a member of the ubiquitin-specific peptidase family. The encoded protein acts as a catalytic subunit in a heterodimeric deubiquitinating enzyme complex that deubiquitinates Fanconi anemia, complementation group D2, and plays a role in homologous recombination-mediated DNA repair. Disruption of this gene is associated with a Fanconi anemia-like phenotype and genomic instability. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 3, 12, and 15. [provided by RefSeq, Aug 2014] |