

Product datasheet for **MC202546**

Mum1 (NM_023431) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mum1 (NM_023431) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mum1
Synonyms:	2610019J09; 9430059D04Rik; UBE-1C2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC075617 sequence for NM_023431
 CCTCTGGCCTCAGTCAAGCCTGTACCACCGCACGCCAGATACTCCTTTCTGAGTCATGACGGATGCCAA
 GTATGTCTCTGCCGATGGGGGAAGCGACTGTGGCCTGCGAAGGTTTTGGCCAGAACCGAGACTTCAGCA
 AAAAACAAGAAAAAGAAGGAATCTTCTAGATGTTTCCAGATACTCTCGTGAAGGAAAAGATCCAGGTTA
 AGAGCTCAGCCGTGGAGGCCCTGCAGAAGTGCACATTGAGAACATTGCTGCCTTCTGGCCTCTCAGAA
 TGAAGTCCCAGCTACTCCCCTGGAGGAGCTGACTTACCGACGCTCCCTGCGAGTGGCCCTGGATGTCTTG
 AATGAGAGGACCAGTTTGTAGTCTGAAAGTCAATCAATAGAAGATGGGATTACACTGTCTCAGAAGGAGA
 AAACAGATGCAGATGTGGCCTCGCAGGTCTCCAGTGTCTTCTCCATCTCTCCTCGGTGAAGATGGTCA
 AGCCGTGGTAGCCAGTGCATCCAAGAGGAGTTCGAGTACAGTTCAAAAAGCCTGTTGCCGTCTCT
 GCATTAGAAGATCATCTCAGGTGCCAAGTGGGCCCAAGACAGGCCTCTCAGAGAGTGGAGCTGGAGACA
 AGTCTCAGGATGATTCTGGGTTACAGCTGGACCATGGGCAGGAGAGCACAAACAAAAGAGGCAGAGGAA
 TTTGGGAGAGAAACCTACCCGGCGCCGAAGATCAGAGTCTGGCCTTCCAAGGGAGAAAGTCTTAAAG
 AGCCAGGACAGGCATCCAGCTGTGTGGCCTGGCTTACCTAGGCCGCCCTCCCAAACAGGGACGAGG
 AGCCCTGTGCCGGGTCAAAGGCTGTGACTGGTCAAGTATCAGGCAACATCAGGCCACTCTCGGCCCTC
 TGAGAGAAGCAGAGGATGCCCCACAAGAGACCACGCTTGGATGGAGGCCAGAACCACCTACCAGGCAG
 CTGGGGACTAGAACTGTGGGGCAGCGCCTGCCCTAGGAGCTGTTCTGGGGAGTCCAGATGCTGTGCA
 GTGCTGGAGCGGGTGACAACCAGAGGAAGATCCTGTGTCTCAGAAGAATCCACAGGGTTCAAGTCCAC
 AACTCCCTGCTGGAGGAGGAGGAGGAGGAAGAGGAGGAACCACCTCGGATCCTTCTGTATCACGAACCA
 CGGTCAATTTGAAGTAGGAATGCTGGTCTGGCTTAAATACCAAAAATACCCATTCTGGCCAGCTGTGGTCA
 AGAGTGTCCGGCAGAGACAAGAAGGCCAGTGTGCTTCTATTGAGGGCAACATGAACCCCAAGGGCCG
 AGGAATCACTGTGTCGCTGCGACGGCTCAAGCACTTTGACTGCAAGGAAAAGCACGCACTGCTGGACAGA
 GCCAAGGAGGACTTTGCCAGGCCATTGGCTGGTGTGTTTCACTCATCTGACTACCGTGTGCGGCTGG
 GATGCGGCTCCTTTGCTGGTCTTTCTTGGAACTACTACGCTGTGATATCAGTACCCTGTGCGCAAGTC
 TATCCAACAGGACGTCCTGGGGACCAGGTTTCTCAGCTGGGCAAGGGGGACCCCTGAGGAGCCTGTAGGG
 GACAGCCAGTGGACAGTGGCGCCATGCAGGAAGGTGCTGCCTGACCGCTCCAGGGCTGCACGGGATA
 GAGCCAACCAGAAGCTGGTGGAGTACATCGTGAAGGCCAAGGGTGCAGAGAGCCACCTGCGGGCTATCTT
 GCACAGCCGCAAGCCCTCAGCTGGCTGAAGACGTTTCTGAGCTCCAGTCAAGTGCAGTGCATGGAG
 ACATACCTGGAGGATGAGGCGCAGCTGGATGAGGTGGTGGAGTACCTGCAGGGCGTCTGCAGAGACATGG
 ACGGCCAGGTGCCTGAGCGCGCAGTGGAGACCGCATTGCTTCACTTGGATGTGCTGCTGCCGAGGC
 AATCATCTGTGCCATTTCCGCGGTGGAGCGGTGGATTACAAGACAGCCGAGCAGAAGTACATTCGTGGC
 CCCACACTTAGCTACCGGAAAAGGAAATCTTTGACAATGAACTCCTGGAGGAGAGGAACCGACGCCGTC
 GCTGATGCCGAGTCTGCACCTGGCCGGCCAGCACTGGGTGTGACCTGCCAGAGGCTCCACCAGGCCTA
 GGAGTGTGAGAACTTTGACCTGTGCGTGGTCTACGTCTTACGCTAAGTCTGGGAGATCAGATGCCAT
 CAGATGCCTGCTGCCATCTATGAACAGCTGCTTTCTGGAAGTTTCTGTGTGTTTTTGTGTATACATGTGT
 ATGTCTGGTTTTATTTTTTTAATTATTTTTGTTATAAATGCGTTTTGAATGCAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Ascl-NotI

ACCN: NM_023431

Insert Size: 2049 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: [BC075617](#), [AAH75617](#)

RefSeq Size: 2438 bp

RefSeq ORF: 2049 bp

Locus ID: 68114

UniProt ID: [Q6DID5](#)

Cytogenetics: 10 C1

Gene Summary: Involved in the DNA damage response pathway by contributing to the maintenance of chromatin architecture. Recruited to the vicinity of DNA breaks by TP53BP1 and plays an accessory role to facilitate damage-induced chromatin changes and promoting chromatin relaxation. Required for efficient DNA repair and cell survival following DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]