

Product datasheet for **MC201849**

Mus81 (NM_027877) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mus81 (NM_027877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mus81
Synonyms:	1200008A18Rik; AI182501; AW045863
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026560 sequence for NM_027877
 CCGACGCGTGGGCGGCGGGCAATGGGGCGGTTCTAAGGAAAGGCCGTGCAAACCGAGCTAGCCTCTTA
 CTGCATAGTACATGGCGAAAGGAGGTCATTCCATGAGCTGGTGCCTGCTAGGTTGGAGAGACCCTACCC
 TCAAACAAGTGTCTTATACCAACTGAATTGTCGCGATCCTAGTCTCAGGGTTTTTTTGAGACTCTGAAG
 GAGCCAGTCTAGTTCTTATGGCGGAGCGGGTCCGCCTGGGCCGGAAGCGTCCGCTGCCTGTTGCCCAA
 CCCGCTCTTCGTTGCTGACCGAGTGGCGGACGAGGCAGCCAGCAGGGGGGCCACACCGCTTTC
 GTGTTTCAAAGGCATTGCGCTCCCTCCAACGGTACCCGCTACCATTGCGCAGCGGAAGGAAGCCAAGA
 TACTCCAGCACTTCGAGACAGGCTCTGCCGATGCTGGACGAAAAGCTGAAGCAGCACCTAGCATCAGG
 CGGTGACCATGCCCCAGCTCACCATCTGGAAAGAAGGGAGCCAGCAAAGGGCCACCTGAGCAAGTCCAG
 GACTCTTCCATGCCAGTCCCACCCAGCCTCAAGCAGGAAGCACCAGTGTGGCTATTGGCCAGCTCAGA
 ACTCAGGTGCTCGAGAGATCCTGCTGCAACTCTACAGGGAGCACCTGAATTCTGATGGCCACAGTTCCT
 AACCAAAGAGGAGCTGCTGCAGAAGTGTGCCAGAACCCCCAGGGTAGTGCCTGGAAGTTCGAAACCC
 TGGCTGCCCTCCGAGCCTCCTCCATAGGAACCTCATCCTTGGAAACGCATCGGCCAGCCAGGTATGCAC
 TCACACCAGAGGGTCTGGAGCTGGCTCAGAAGCTGGCCGAGGCGGAAGGCCTGAGCACTCGGCACGATGG
 CTTTAGGCCAGAGGAACATCACGGAGAGGACTCAGCAGTCCAGAAGCCTTGTCAGAACCTGGCACCACC
 GAGGGGGCCGTCCAGCAGAGACCACTGGAGCTAAGGCCTAGCGAGTACAGAGTGTGTTGTGTGGACA
 TTGGCGAAACCAGAGGGGACAGCACAGGCCAGAAATGCTCCGAGAGTTACAAAGGCTGCGTGTGCCCA
 CACCGTACGCAAGCTACACGTTGGAGACTTGTGTGGGTGGCACAGGAGACCAGGCCAGAGACCCAGAA
 AGACCTGGGGAGCTGGTCTGGACCACATTGTGGAACGCAAGCGGCTAGATGACCTATGCAGCAGCATCA
 TTGACGGCCGCTTTCGGGAGCAGAAGTTCGCCTGAAGCGCTGTGGCCTGGGGCACCCGGTATACTTAGT
 GGAAGAACATGGGTCTGTCCACAACCTTAGCCTCCCAGAGCACCTTGTGCAGGCTGTCAAAACACC
 CAGGTCAATTGATGGCTTTTTGTGAAGCGAACCATGGATATTAAGGAGTCGGCTGGCTACCTGGCGCTTT
 TGACAAAGGGCCTGAAAGACTGTACCAGGGCCACACCCTACGCAGCCGCCCTTGGGGGGCCCCAGGGGC
 TGCTGAATCAGAAGCAAAGCCTTCCACAACCCCTCTGCTCACTCCTCACCTTCAAGTACTTCAATGCA
 GAAGCTGTCAAGAACAAGGCCAGTCTGTGCGAGAAGTATTTGCCCGGCAGCTGATGCAGGTGCGTGGAC
 TGAGTGGGGAGAAGGCAGCAGCCGTGGTGGATCGATACAGCACCCCTGCCAGTCTCCTGGCTGCTTATGA
 TGCCTGTGCCACCACGAAGGAGCAGGAGATGCTCTTGGACCATCAAGTGTGGGCGTCTGCAGAGGAAT
 CTGGGACCCGCTCTGAGCAGGACCCTGTACCAGTGTACTGCAGCCACAGCCCTCTGAGCTGAGCTATAC
 CAGGAGACGCTCGCTCCCAGCACCCATCTTCATCTCTACCAAGGCTGGTAGCCTTTTAGCTGAGATCC
 CCTGGGCTTTAATAAAAAATCTGGATGTGTGGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027877

Insert Size: 1656 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: [BC026560](#), [AAH26560](#)

RefSeq Size: 2048 bp

RefSeq ORF: 1656 bp

Locus ID: 71711

UniProt ID: [Q91ZIQ](#)

Cytogenetics: 19 A

Gene Summary: Interacts with EME1 and EME2 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.[UniProtKB/Swiss-Prot Function]