

Product datasheet for **MC203318**

Mutyh (NM_133250) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mutyh (NM_133250) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mutyh
Synonyms: 5730495A01Rik; Mutyha; Mutyhalpha; Mutyhb; Mutyhbeta; Mutyhc; Myh
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC057942

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GTCGGAGACTGCGCAGGAGGTTATCATGAAGAACTCCGAGCATCTGTGAGGAGTCACAAAAGCAACCA
GCCAACCAAGAGAAGGAGAACACGTGCCCTTAGCAGCAGCCAGCCAAGCCTTCCAGCCTGGATGGCC
TGGCCAAGCAGAAGAGAGAGGAGTTACTGCAGGCCTCTGTCTCCCATATCATCTTTCAGCGACGTGGC
CGATGTACAGCTTTCCGAAGCAACTTGCTCAGCTGGTATGACCAAGAGAAGCGTGACCTCCCTTGAGGA
AACTTGCCAAAAGAGGCAACTCGGACAGAAAGGCCTATGCTGTGTGGGTGTGAGAGTTATGCTGC
AGCAGACCCAGGTTGCCACAGTATCGACTATTACTCGATGGATGCAGAAAGTGGCCAAAGCTTCAAGA
CCTGGCCAGCGCTTCCCTGGAGGAGGTGAACAGCTCTGGTCTGGCCTGGGCTACTATTCTCAGGCCGT
CGGCTACAAGAAGGAGCTAGGAAGGTGGTAGAGGAGCTAGGAGGCCATATGCCACGTACAGCAGAGACCC
TACAGCAGCTCCTGCCTGGTGTGGGCGGTACACGGCTGGAGCCATTGCTTCCATCGCCTTTGACCAGGT
AACCGGTGTGGTGGATGGGAACGTTTTACGGGTGCTGTGCCGTGTCGGGCCATTGGTGCCGATCCCACC
AGCACCTTGTCTCTCATCACCTCTGAACTTAGCCAGCAGCTCGTGGACCCAGCCCGGCTGGGGACT
TCAATCAAGCTGCCATGGAGCTGGGGGTACAGTGTGACCCACAGCGCCTCTCTGCAGCCATTGCC
CGTGACAGAGTTTATGCCGGGCATACCAGAGGGTGGAGCGGGGTACAGTCTCAGCCTTGCCAGGCCGTCT
GACATAGAGGAGTGTGCTCTCAACTAGACAGTGCAGCTTTGCCTCCCTCCCTCAAGCCCTGGGACC
CCAGCATGGGAGTGGCAACTTCTCGAAAGGCCAGCCGAGGCCTCCAGGGAGGAGTACTCTGCCAC
CTGTGTTGTGGAGCAGCCGGAGCCATCGGGGTCCCCTGGTCTCTGGTGCAAAGGCCTGACTCAGGT
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CCACATCTTCTCTCACATCAAACTGACGTATCAAGTATATAGTCTGGCTCTAGATCAAGCCCAAGCGAGC
ACTGCACCTCCTGGCGCTCGATGGCTGACCTGGGAGGAATTCTGCAATGCAGCTGTGTCTACTGCCATGA
AAAAGGTGTTCCGCATGTATGAGGACCATCGGCAAGGGACCCGCAAGGGTTCAAAAAGTCCCAGGTGTG
TCCTCCATCAAGCAGGAAAAAACCCAGCCTGGGACAGCAAGTCTGGATACTTTCTTTCAGCGTCATATC
CCCACAGACAAACCAACAGTACTACCCAGTGATACTGGGATTCCCTACCCAAAAATCCAGTCTAATAAAG
TGCTTATTTTTGTAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI



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ACCN:	NM_133250
Insert Size:	1548 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:	BC057942 , AAH57942
RefSeq Size:	1638 bp
RefSeq ORF:	1548 bp
Locus ID:	70603
UniProt ID:	Q99P21
Cytogenetics:	4 D1
Gene Summary:	<p>Involved in oxidative DNA damage repair. Initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. Possesses both adenine and 2-OH-A DNA glycosylase activities.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>