

Product datasheet for **RN210408**

Mutyh (NM_133316) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mutyh (NM_133316) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mutyh
Synonyms:	Myh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210408 representing NM_133316
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAAGTTACGAGCATCTGTAAGGAGTCACAAGAAGCAACCAGCCAACCACAAGAGAAGGGGAAAAT
 GTGCTCTTAGCAGCAGCCAGGCCAAACCTTCTGGCCTCGATGGCCTGGCCAAGCAGAAGAGAGAGGAGTT
 ACTGAAGACCCCTGTCTCTCCATATCACCTCTTCAGTGACATAGCCGATGTCACAGCTTTCCGAAGGAAC
 CTGCTCAGCTGGTATGACCAAGAGAAGCGTGACCTTCTTGAGAAAACGGGTAAAGGAGGAGACCAACT
 TGGACAGGAGAGCCTATGCAGTCTGGGTGTGAGAGGTCATGCTGCAGCAGACCCAAGTTGCCACAGTGAT
 CGACTATTATACCCGATGGATGCAGAAGTGCCCAACGCTACAAGACCTGGCCAGTCTTCCCTGGAGGAG
 GTGAACCAGCTCTGGTCTGGCCTGGGCTACTATTCTCGAGGTCGTCGGCTCCAAGAAGGAGCTAGGAAGG
 TGGTAGAGGAGCTAGGAGGCCACGTACCACGTACAGCAGAGACCCTGCAGCAGCTCTGCCTGGGGTGGG
 GCGGTACACGGCTGGAGCCATCGCTTCTATTGCCTTTGACCAGGTAACCGGTGTGGTGGATGGGAACGTC
 ATACGGGTGCTGTGCCGTGTCCGCGCCATTGGTGTGATCCCACCAGCTCCTTTGTCTCTCATCACCTCT
 GGGACTTAGCCCAGCAGCTGGTGGACCCAGCCCGCCTGGGGATTTCAACCAAGCAGCCATGGAGCTGGG
 AGCCACAGTGTGTACCCACAGCGCCCTCTCTGCAACATTGTCTGTGCAGAGTTTATGCCGGGCACAC
 CAGAGGGTGGGACAGGGACGGCTCTCAGCCTTGCCAGGCAGTCTGACATAGAGGAGTGCCTCTCAACA
 CTAGACAGTGCCAGCTTTGCCTCCCTCCACAAACCCCTGGGACCCCAACATGGGAGTGGTCAACTTCCC
 TCGAAAGGCCAGCCGACACCTCCAGGGAGGAGTACTCTGCCACCTGTGTTGTAGAGCAGCCCGGAGCC
 ACTGGGGTCCCCTCATCTCTGGTGCAAAGGCCTAACTCAGGTCTGCTGGCAGGACTGTGGGAGTTCC
 CGTCTGTCACCTTGGAGCCCTCAGGACAGCATCAGCACAAGCCCTACTGCAGGAGCTGCAGCATGGTC
 TGCACCCCTCCCACCCTCTCTCCAGCAGCTGGGGGAGGTGATCCATGTCTTCTCACATCAAACCTG
 ACGTATCAGGTATACAGTCTGGCTCTCGAAGGACAGACCCAGCAAGCACCACACTTCTGGCGCTCGAT
 GTTGACCTGGGAGGAATCCGAAATGCAGCGGTGTCTACTGCCATGAAAAAGGTGTTCCGCGTGTATGA
 GGAACATCGGGCAGGGACCTGCAAGGGTTCCAAAAGGCCCCAGGTGTGTACTCCATCAAGCCGAAAAAAA
 CCCAGCCGGGGACAGCAAGTCTGGATCGTTTCTTTAGCGTCATATCCCACACACAACCCAACAGTA
 CTACCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_133316

Insert Size: 1551 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: [NM_133316.1](#), [NP_579850.1](#)

RefSeq Size: 1679 bp

RefSeq ORF: 1551 bp

Locus ID: 170841

UniProt ID: [Q8R5G2](#)

Cytogenetics: 5q35

Gene Summary: an DNA repair enzyme that excises adenine residues misincorporated opposite the oxidized base [RGD, Feb 2006]