

Product datasheet for **RN207442**

MIh1 (NM_031053) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIh1 (NM_031053) Rat Untagged Clone
Tag:	Tag Free
Symbol:	MIh1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207442 representing NM_031053
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATTGTAGCAGGAGTTATTCGGCGCCTGGACGAGACGGTAGTGAATCGCATAGCGCGGGAGAAG
 TTATCCAGCGGCCGCCAATGCTATCAAAGAGATGACTGAAAAGCTTTAGATGCAAAATCTACAAATAT
 TCAAGTGATTGTTAGAGAAGGAGCCTGAAGCTAATTCAGATCCAAGACAATGGCACTGGAAATCAGGAAG
 GAAGATTTGGATATTGTGTGTGAGAGGTTCACTACAAGTAAACTGCAGACCTTTGAGGATTTAGCTATGA
 TTTCCACCTATGGGTTTCGCGGAGAGGCTTTGGCAAGCATAAGCCATGTGGCCCATGTCATTACAAC
 CAAAACAGCTGATGGAAATGTGCATACAGAGCAAGTTACTCAGATGGAAAGCTACAAGCCCTCTATAA
 CCGTGTGCAGGCAACCAGGTTACCCTGATCACGGTGAAGACCTTTTTTACAACATAATCACAAGGAAGA
 AAGCTTTAAAAATCCCAGTGAAGAGTACGGGAAGATTTTGAAGTTGTTGGCAGGTTACTCAATACACAA
 TTCAGGAATTAGTTTCTCAGTAAAAAACAAGGCGAGACAGTCTCTGATGTCAGAACACTACCCAATGCC
 ACGACCGTAGACAACATTCGCTCCATCTTTGAAATGCTGTTAGTCGAGAAGCTGATCGAAGTTGGGTGTG
 AGGATAAAACCCCTAGCTTTCAAATGAATGGCTATATCTCGAATGCAAACACTACTAGTGAAGAAGTGCAT
 TTTCTACTCTTCATCAACCACCGGCTGGTGGAAATCGGCTGCCCTGAAGAAAGCCATAGAAGCTGTATAT
 GCAGCATATTTACCCAAAAACACGCACCCATTCTGTACCTCATTTTGGAAATCAGTCCCGAGAAGCTGG
 ATGTCAATGTGCACCCCAAGCATGAAGTTCACCTTTCCATGAGGAGAGTATTTGGAGCGTGTGCA
 GCAGCACATCGAGAGCAAGCTATTGGGCTCCAATTCATCCAGGATGTATTTACCCAGACCTTGCTTCCA
 GGACTTGCTGGGCCCTCTGGGAAGCCGTTAAATCCACGACAGGCATAGCTTCTCATCTACTAGTGGAA
 GTGGCGACAAGGTTACGCTTACCAAATGGTCCGTACAGACTCTCGGGACCAGAAGCTCGATGCCTTTAT
 GCAGCCTGTAAGCAGGCGTCTGCCAGCCAGCCAGGACCTGTCCCTGGGAACAGGACAGAGGGCTCT
 CCTGAAAAGCCATGCAGAAGGATCAGGAGATATCTGAGCTCCCGGCCCCATGGAAGCAGCTGCTGACA
 GTGCGAGTTTGGAGAGAGAATCAGTGATTGGGGCTTCGGAAGTGGTGGCACCCAGCGCACCCCTCCAG
 TCCAGGCAGTCCAGAAAGAGACATCCGGAGGACTCCGATGTGGAATGATGGAAATGATCCCGGAAG
 GAAATGACAGCTGCTTGCTACCCCGGAGGAGGATCATTAACTCACCAGTGTGTTTGGTCTCCAGGAAG
 AAATTAACGACCCGGGTCATGAGACTCTCCGGGAGATGCTCCGTAACCATACCTTTGTTGGCTGTGTGAA
 TCCTCAGTGGGCCTTGGCACAGCACCAGACCAAGCTCTACCTCCTCAACTACCAAGCTCAGTGAAGAA
 CTCTTCTACCAGATACTCATTTACGATTTTGCCAACCTTCGGTGTCTCAGGTTACCGGAACCAGCACCCAC
 TCTTTGACTTCGCCATGCTGGCCTTAGATAGTCCCTGAAAGTGGCTGGACAGAGGAAGATGGCCCAAAGGA
 AGGACTTGCAATAACATTGTTGAGTTTTTGAAGAAGAAAGCCAAGATGCTTGCAGACTATTTCTCTGTG
 GAAATTGATGAGGAAGGGAACCTGATTGGATTACCTCTCCTGATTGATAGCTATGTGCCGCTTTGGAGG
 GACTGCCTATCTTATTCTCGACTGGCCACTGAGGTGAAGTGGGATGAAGAGGAGTGTTCGAAAGTCT
 CAGTAAAGAAATGTGCTGTGTTTTACTCCATTGGAAGCAATACATACTGGAGGAGTCAGCCCTCTCAGGC
 CAGCAGAGTGACATGCCTGGCTCCCTTCAAAGCCCTGGAAGTGGACTGTGGAACACATTATCTATAAAG
 CCTTCCGCTCACACCTTCTGCTCCGAAGCATTTCACAGAAGATGGCAATGTCTGCAGCTCGCCAACT
 GCCAGATCTGTCAAAGTCTTCAACGCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031053

Insert Size: 2274 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>NM_031053.1</u> , <u>NP_112315.1</u>
RefSeq Size:	2274 bp
RefSeq ORF:	2274 bp
Locus ID:	81685
UniProt ID:	<u>P97679</u>
Cytogenetics:	8q32
Gene Summary:	may be involved in DNA mismatch repair [RGD, Feb 2006]