

Product datasheet for **RN206081**

Mdh1b (NM_001108221) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdh1b (NM_001108221) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mdh1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NM_001108221.1
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAAATTTGTGATCGCCGGTAAAGCAAACCTGCCCATATTATGCTAAGGCAGAACTTCTGGCAGACT
 ATTTACAAAAGAATCTTCTGACTTTTCGGATTTTAAAGATCACGAAACATCCTGACGAGTGGGAGGAGTG
 GCTGGAAGATGTCTGTGAAAGGAATATGTGGGACCACAGAATCTCCCCATTATCTGGAGAGAGTTGCTG
 GATCGTGGAGGCAAGGGCTTGCTTTTGGGAGGATACAATGAGTTTCTGGAACATGCCAGCTTTACTATG
 GCATCACTTCCAGCATGACGACAGAGCTGATGATGATCATCGCCCAAGAAAACATGGAGACACATACAGA
 ACAAGAGTTAGATAAAGAAAACCTGAAAGACCTCATCAGTCCCTTGCAAGTCTGGATTACCAAGTGCAGGT
 TCTCGTGTGTGCTGCCACTTAATCCCCTCTTGCTAAGTGGGGAAGTGTTCGGGATGCAGGCAGAGATCA
 GCCTGACCCTGTTTGACCAGGAGCAGAGGAGGAATGCCTCAGTAACATAGTGATGGAACTGAGAATCT
 GGCTCCCCAGTCTGCGCACTGTCTCCTTCTGCACGACGGTAAAGGATGCCTTCCTTCAGGCTGAAGTC
 ATCATCATCTGGATGACAGCACGGACGAGGAAGGTACAACATGGAGAGCTGCCTTCGAAGCAGGGTAC
 CACTGTGCCGCCTCTATGGTTACCTGATAGAGAAAAATGCTCACAAATCTGTCAAAGTCATCGTGGGAGG
 GAAAAGCTTTCTGAATCTGAAAACAACCTTGTCTACATAATATGCACCTAGCCTCGCAAGCAACATCATC
 GCAGTGGCTCTGGGGTTAGAAGGCCAAGCAAAAGCAGTACTGGCCGAAAGATGAAAACAATTCCATCCA
 GAATCAAAGATGTGATAATTTGGGGTAATCACTGGAATAAAGTACGTTGATCTGAGGAAAGCAAAAGT
 TTAACTATGAGAGTGCTATTAGGGGACCTCTGGATATTACCACTCTGTGTTAAGCTTGATTTTGGAC
 AGAGAGTGGATAACAAAAGAGTTTGTGAGGACGCTTAAAGACTTGAGCAGCACTGGAAAACAATTTGGAG
 GCATTTTGGCAGCACACAGCATAGCCACCACCCTGAAGTACTGGTACTATGGCTCACCACCTGGAGAGAT
 CGTTTCCTTGGGTGAATGAGTGAAGGCCAGTTCCGGCATTCTGAAGGGATTGTCTTTCTATGCCAGTG
 AAATTTGAGAATGGAACCTGGGTGGTCTTACTGATTTGGAAGACCTTTCGCTCAGCGAGAAGATAATAA
 ACAGGCTCACAGGTGATCTGATTCAGGAGAACTGTTGCATCTGGAGACTTATTAACCTTTCAACCAAT
 TGAAGAAGACTCTGATGTAAAACATGGGACCGTGAAGGCTTCAACCAGAACAAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001108221

Insert Size: 1461 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_001108221.1, NP_001101691.1
RefSeq Size: 1655 bp
RefSeq ORF: 1461 bp
Locus ID: 316444
Cytogenetics: 9q32