

Product datasheet for **MC217029**

Mdh1b (NM_029696) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mdh1b (NM_029696) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mdh1b
Synonyms:	1700124B08Rik; AV255588
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217029 representing NM_029696
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAATTTGTGATCGCGGGTAAAGCAAACCTGCCCATATTATGCTAAGGCAGAACTTCTGGCAGACT
 ATTTACAAAAGAATCTTCTGACTTTCGGATTTTTAAGATCACGCAACATCCTGACAAGTGGGAGGATTG
 GGTGGAAGATGTTTGTGAAAGGAATATGTGGGACCACAGAACCTCCCCATTATCTGGAGAGAGTTGCTG
 GATCGTGGAGGCAGGGGCTTGCTTTTGGGAGGATACAATGAGTTTCTGGAACATGCCAGCTTTACTATG
 GTGTCACCTCCAACATGACGACGGAGTTGATGATGGTCATCGCTAAAGAGAACATGCAGACGCATACAGA
 ACAACAGTTGGATAAAGAAACCATGAAAGATCTCATCAGCCCTTTCAGGTCTGGATTGCCAGTGCAGGT
 ACTTACGTGTGCTGCCACTTAATCCCCTCTTGCTAAGCGGGGAAGTGTGGGATGCACACAGAGATCA
 GCCTGACCCTGTTTGACCAGGAGCAAAGGGAGGACTGCCTCAGAAGCATAGTGATGGAACCCAGGACTT
 GGCTCACCAGTCTCCGACTGTGCTTCTGCACCACGGTAAAGGAGGCTTCTTCAGGCCAGGTC
 ATCATCATCCTGGATGACAGTACAGAGGAAGAGGTGTACAGCCTGGAGAGCTGCCTCCGGAGCAGGGTGC
 CGCTGTGCCGCTCTACGGCTACCTGATAGAGAAAAACGCTCACAACTGTCAAGGTATCGTGGGAGG
 GAAAACTTTGTAATCTGAAAACAACTTTGCTCATGCAATATGCCCTAACATCGCGAGCAACATTATC
 GCAGTGGCTCTGGGGGTAGAAGGCCAAGCAAAGCAGTACTGGCCGAAAGATGAAAACCACTTCAGCCA
 ACATCAAAGATGTGATAATCTGGGGCAATCACTGGAATAACTACGTTGATCTGAGGAAAGCAAAAGT
 TTAACTATGAGAGTGTGTCAAGGGGCTCCTGGACTATCACTCTGTGTTAAGCTTGATTTTTGAC
 AGAGATGGATCACAAAAGAATTTGTGCAGACACTTAAATCTTGAGCAGCACTGGAAAACAATTTGGAG
 GCATCTTGGCTGCACACAGCATAGCCACCACCTGAAGTACTGGTATCATGGCTCACCACCTGGAGAGAT
 TGTTTCCTTGGGGTAATGAGTGAAGGCCAGTTGACATTCTGAAGGGATCGTCTTTTCTATGCCAGTG
 AAATTTGAGAATGGAACGTGGTGGTTCTTACTGATCTTGAAGCATTTCGCTTAGTGAGAAGACTAA
 GCAGGCTCACAGGCGATCTGATTCAGGAGAAAATTGTTGCATGTGGAGACTTATTAACCTTTTCAGCCAAT
 TGAAGAAGATCCCAAAGATAACGAACCTTCTAATACAGGCATGAATGAAGAAAAGGAACAGCCTGGGTCC
 GATGACTCTGATGAAAAAATGAGGACCA**TAA**

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029696

Insert Size: 1503 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_029696.4](#), [NP_083972.3](#)

RefSeq Size: 1711 bp

RefSeq ORF: 1503 bp

Locus ID: 76668

UniProt ID: [Q5F204](#)

Cytogenetics: 1 C2