

Product datasheet for **SC311012**

MDH1B (NM_001039845) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MDH1B (NM_001039845) Human Untagged Clone
Tag:	Tag Free
Symbol:	MDH1B
Synonyms:	RP11-95H11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC311012 representing NM_001039845.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCAAATTCGTCATCGCGGGTAGAGCAGATTGTCCATATTATGCTAAAAACAGAACTTGTGGCAGAC
TATTTACAAAAGAATCTTCTGATTTTCGGATACATAAAATCACACAACGTCCTGAGGTTTGGGAGGAT
TGGCTAAAAGATGTGTGTGAAAAGAATAAGTGGAGTCACAAGAATTCCCTATCATCTGGAGAGAGCTG
TTGGATCGTGGAGGAAAGGGTTTGCTTTTGGGAGGATATAATGAGTTCCTGGAGCATGCTCAGCTTTAC
TATGATGTCACTCTAGCATGACGACTGAAGTATGATGGTAATTGCTCAAGAGAACCTGGGGGCACAT
ATAGAAAAAGAGCAGGAGGAAGAAGCCCTGAAACTTGCATCAACCCCTTGCAGGTCTGGATCACCAGT
GCCTCTGCTCCTGCTGCTACAACCTAATCCCATATTGACGAGTGGCGAAGTGTGGGATGCATACA
GAAATTAGCATAACTCTATTTGACAACAAGCAGGCGGAAGAATCTCAAAGCCTTGTGGTGGAGACC
CAAGACCTGGCATCTCCCGTCTGCGCAGTGTCTCCATCTGCACGAAGGTGGAGGAGGCCTCCGCCAG
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AGCAGGGTGCCTCTCTGAGGCTCTATGGGTACCTGATAGAGAAAAATGCTCATGAGTCTGTGAGAGTC
ATCGTGGGAGGGAGAACCCTTTGTAACCTGAAGACAGTTTACTCATGAGATATGCCCCACGCATTGCA
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TTCCTAAATGAATTTGAAGGCAAAACCGTGAATCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001039845

Insert Size: 1557 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001039845.2](#)

RefSeq Size: 2564 bp

RefSeq ORF: 1557 bp

Locus ID: 130752

UniProt ID: [Q5I0G3](#)

Cytogenetics: 2q33.3

MW: 58.7 kDa