

Product datasheet for **MR207483**

Aldh3b1 (NM_026316) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh3b1 (NM_026316) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aldh3b1
Synonyms:	1700001N19Rik; ALDH4; ALDH7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR207483 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTCGTTTGAAGACAAGCTTCAGCAGCTGCGGGAGGCCTCAAGGAGGGCGGACGAGGTCAGCTG
 AGTTCCGAGCGGCACAGCTGCAAGGCCTGAGCCACTTCCTCCGAGACAACAAACAACAGCTGCAGGAGGC
 GTTGGCCCAAGACCTGCACAAGTCAGCCTTCGAGGCGGAGGTGTCTGAGATTGCCATCAGTCAGGCCGAG
 GTGGACCTGGCCCTCAGGAACCTGCGGTCTTGATGAAGGATGAGAAAGTGTCCAAGAATCTGGCTACAC
 AGCTGGACTCAGCCTTCATCCGGAAGGAGCCCTTCGGTCTGGTCTTATCATCGTGCCCTGGAATTATCC
 CATTAACTGACACTCGTGCCGCTGGTGGGGCCATAGCTGCAGGGAATTGTGTGGTGTCAAGCCCTCA
 GAGATCAGCAAGGCCACTGAAAAGATACTGGCTGAGGCTGCCCCGCTATCTGGACCAGAGCTGCTTTA
 CTGTGGTACTGGTGGGCGTCAGGAGACCGGGCAGCTGCTGGAACACAAGTTCGACTACATCTTCTTAC
 AGGGAATGCTTATGTAGCAAGATCGTCATGGCTGCTGCTGCCAACACCTGACACCCATCACCTGGAG
 CTGGGGGGTAAGAACCCCTGCTATGTGGATGACAACTGCGACCCCGAGATAGTGGCCAACCGTGTGGCCT
 GGTTCCGCTACTTTAATGCCGGCCAGACCTGTGTGGCCCCGATTATATCCTGTGTAGCCAGGAGATGCA
 GGAGCGGTTGGTGCCTGCCCTACAGAATGCCATCACACGTTTCTATGGAGACAACCCACAGACCTCCCC
 AACCTGGGCAGAAATCAACCAGAAGCATTTCAGCGACTCCAGGGATTGCTGGGCTGTGGCCGTGTGG
 CCATCGGTGGCCAGAGTGATGAGGGAGAGCGCTACATTGCCCCACAGTGTTAGTGGACGTGCAGGAGAC
 AGAGCCTGTGATGCAGGAGGAGATCTTTGGGCCATCTGCCCTGGTACTGTGAGAAGCCTGGATGAA
 GCCATCGAGTTCATGAACCGCGGGAGAAGCCACTGGCCTGTATGCCTTCTCCAAGAGAAGCCAGGTTA
 TCAAACAGGTGTTGGCCCGGACCAGCAGCGGGGATTCTGTGGGAATGATGGCTTCATGCACATGACCCT
 GTCCAGCCTTCTTTTGGAGGAGTGGGAACAGCGGGATGGGCAGGTACCACGGCAAGTTCCTCTTTGAC
 ACCTTCTCCAACCAGCGTGCCTGTCTGCTGCGCAGCCCGGAATGGAGAAAATCAATGACTTGCCTACC
 CACCCTACTCCAGTCGCAACCTCAGGTGTTGTTGGTGGCCATGGAGGAGAGGTGCTGCAGCTGCACCCT
 GCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>MR207483 protein sequence
 Red=Cloning site Green=Tags(s)

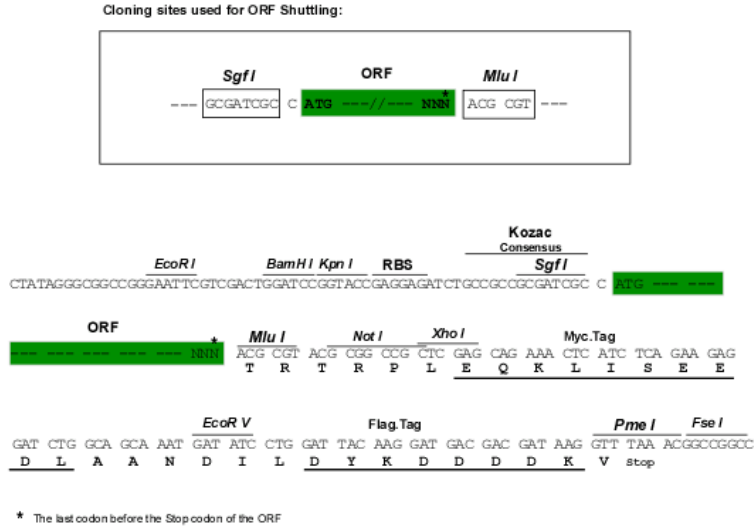
MDSFEDKLQQLREAFKEGRTRSAEFRAAQLQGLSHFLRDNKQQLQEALQDLHKSFAFEAEVSEIAISQAE
 VDLALRNLRSWMKDEKVSKNLATQLDSAFIRKEPFLVLIIVPWNYPINLTLVPLVGAIAGNCVVLKPS
 EISKATEKILAEVLPYLDQSCFTVVLGGRQETGQLEHKFDYIFFTGNAYVVKIVMAAAKHLTPITLE
 LGGKNPCYVDDNCDPQIVANRVAWFRYFNAGQTCVAPDYILCSQEMQERLVPALQNAITRFYGDNPQTS
 NLGRIINQKHFRLQGLLGCGRVAIGGQSDGERYIAPTVDVQETEPVMQEEIFGPILPLVTVRSLDE
 AIEFMNRREKPLALYAFSKRSQVIKQVLARTSSGGFCGNDGFMHMTLSSLPFGVGTSGMGRYHGKFSFD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

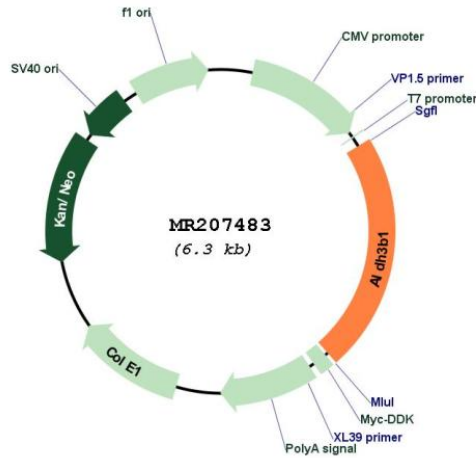
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026316

ORF Size: 1407 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM_026316.3](#)

RefSeq Size: 1915 bp

RefSeq ORF: 1407 bp

Locus ID: 67689

MW: 52.3 kDa