

Product datasheet for **MR211111**

Aldh1l1 (BC030723) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh1l1 (BC030723) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aldh1l1
Synonyms:	1810048F20Rik; FDH; Fthfd; Neut2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211111 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATTGCAGTAATCGGGCAGAGCCTGTTTGCCAGGAGTTTACTGCCAGCTAAGGAAGGAGGGCC
 ATGAGGTGGTGGGTGTGTTACCCATCCCAGACAAGGATGGGAAAGCAGATCCCCTGGGCCTGGAGGCCGA
 GAAGGATGGCGTGCCCGTGTAAAGTTCCTCGGTGGCGGGCTCGAGGACAGGCTCTGCCGAGGTCGTG
 GCCAAGTACCAGGCTCTGGGTGCAGAACTCAACGTGCTCCCTTCTGCAGCCAGTTCATACCCATGGAGG
 TCATCAATGCCCCCGGCATGGCTCCATCATCTACCATCCATCTCTGCTGCCAGGCACCGAGGGCCCTC
 AGCCATCAACTGGACCCTCATTTCATGGAGATAAGAAAGGAGGCTTCACTATCTTCTGGGCTGATGACGGT
 CTGGACTGGTACCTTCTGCTGCAGAAGGAGTGTGACGTGCTCCAGATGACACCGTGAGCACGCTGT
 ACAACCGTTTCTTCCAGAGGGCATCAAAGGGATGGTTCAAGCTGTGCGACTGATTGCAGAGGGCAC
 AGCCCCACGCCGTCCCCAGCCTGAGGAAGGAGCCACCTATGAGGGCATTAGAAAAAGGAGACAGCCATG
 ATCAACTGGGACCAGCCAGCAGAGGCCATTCACAACTGGATCCGTGGGAATGACAAGGTGCCAGGTGCCCT
 GGACAGAGGCTTGTGGGAGAAGCTGACGTTTTTCAACTCGACACTCAACTTCAAGACTGGTGGCTCA
 GGGAGAAGCTCTACCCATCCCAGGAGCCATCGTCCAGGCCTAGTCACCAAAGCGGGACTCATCCTCTTT
 GGGAAATGATGATAGAATGTTGCTGGTGAAGAATATCCAGCTGGAAGATGGCAAGATGATGCCAGCCTCCC
 AGTTCTTCAAGGGGTCTGCTAGCAGTGCCTGGAGCTGACCGAGGAGGAGCTGGCCACAGCAGAGGCCGT
 GCGGAGCTCTGGATGCGAATTTGCCCAATGTCCAGAGGTAGAAGACTCTACAGATTTCTTCAAGTCA
 GGAGCTGCATCCGTAGATGTTGTGAGGCTGGTGGAGGAGTGAAGGAGCTGTGTGACGGGCTGGAGTTAG
 AAAATGAGGATGTTTACATGGCCACCCTTCCGGGACTTCATCCAGCTCCTAGTGAGGAAGTTGAGAGG
 GGAGGACGGCGAGAGCGAGTGTGTCATTAAGTACGTGGAAAAGGCAAGTGAAGAACTGACTCTCCAATG
 CCTACCAGCTCTCATAGGCGCGAGTTTGTGGATGCTGAGGGCGGAAGACCTACAGTACCATAAACC
 CAACGGATGGAAGTGTCATCTGCCAGGTGTCTCTAGCTCAGGTGAGTGTGTTGACAAGGCGGTGGCAGC
 AGCGAAGGAGGCCCTTGGAGAATGGACTGTGGGAAAGATAAATGCGCGTGACCGGGGCGGCTCTGTAC
 AGGTTGGCGGACCTCATGGAGCAGCACCAGGAAGACTAGCCACCATTGAGGCCCTGGACGAGGTGCCG
 TCTACACGCTGGCCCTGAAGACGCATGTGGCATGTCCATCCAGACCTCCGATACTTCTGCTGGCTGGT
 TGATAAGATCCAGGTGCCACCATCCCCATCAACCAGGCTAGACCAACCGCAACCTGACCTTGACCAAG
 AAGGAACCTGTTGGGGTCTGTGGTATTGTATCCCTGGAATATCCCTAATGATGCTGTCTGGAAGA
 CAGCAGCCTGCCTGGCTGCCGGAAACACCGTGGTATCAAGCCTGCCAGGTGACCCCACTCACAGCCTT
 GAAGTTTGCAGAGCTGACACTGAAGGCTGGCATTCCCAAGGGTGTGGTCAACATCCTCCCAGGATCTGGC
 TCGCTGGTTGGCCAGAGACTCTCAGACCACCCTGATGTGAGGAAAATAGGGTTACAGGCTCCACGGAGG
 TGGGAAAACACATCATGAAAAGCTGTGCCCTGAGTAATGTGAAGAAGGTCTCCCTGGAGCTGGTGGAAA
 GTCACCCCTTATCATCTTTGCTGACTGTGACCTCAACAAAGCTGTGCAGATGGGCATGAGCTCCGTTTTT
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 CCCGCAACCATGAGGCCACCTGAGGAAGCTGGTGGAGTATTGCCAACGTGGTGTGAAGGAAGGGGCC
 AACTGGTCTGTGGTGGAAACCAAGTCCCAAGGCCAGGCTTCTTCTTTCAGCCAACCGTTTTTCACAGAG
 TGGAGGACCACATGTACATCGCTAAGGAGGAGTCTTCCGGCCCATCATGATCATCTCTCGGTTTGTCTGA
 TGGGGACGTGGATGCAGTGTATCTCGGGCAATGCTACAGAAATTTGGCCTGGCCTCTGGTGTCTTCACT
 CGGGATATCAACAAGGCCCTGTATGTGAGTGCAGAACTGCAGGCGGGCACTGTGTTTGTCAACACATACA
 ACAAGACCGATGTGGCCGACCTTTTGGAGGATCAAGCAGTCTGGATTTGGCAAAGACCTGGGAGAGGC
 GGCCTGAATGAGTACCTGCGGATCAAGACTGTGACTTTTGTAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211111 protein sequence
 Red=Cloning site Green=Tags(s)

MKIAVIGQSLFGQEVYCQLRKEGHEVVGVTIPDKDGKADPLGLEAEKDGVPVFKFPRWRARGQALPEVV
 AKYQALGAELNVLPFCSQFIPMEVINAPRHGSIYHPSLLPRHRGASAINWTLIHGDKKGGFTIFWADDG
 LDTGDL LLQKCEDVLPDDTVSTLYNRFLFPEGIKGMVQAVRLIAEGTAPRRPQPEEGATYEGIQKKEAM
 INWDQPAEAIHNWIRGNDKVPGAWTEACGQKLTFNSTLNTSGLVAQGEALPIPGAHRPGLVTKAGLILF
 GNDDRMLLVKNIQLEDGKMMPASQFFKGSASSALEL TEEELATAEAVRSSWMRILPNVPEVEDSTDFFKS
 GAASVDVVRVVEEVKELCDGLELENEVYMATTFGDFIQLLVRKLRGEDGESECVINIVEKAVKKLTLQM
 PYQLFIGGEFVDAEGAKTYSTINPTDGSVICQVSLAQVSDVDKAVAAAKEAFENGLWGKINARDGRLLY
 RLADLMEHQEELATIEALDAGAVYTLALKTHVGMISIQTFRYFAGWCDKIQGATIPINQARPNRNLTLTK
 KEPVGVCGIVIPWNYPLMMLSWKTAACLAAGNTVVIKPAQVTPLTALKFAELTLKAGIPKGVNINILPGSG
 SLVGQRLSDHPDVRKIGFTGSTEVGKHIMKSCALSNVKKVSELEGGKSPLIIFADCDLNKAVQMGMSVF
 FNKGENCIAAGRLFVEDSIHQFVQKVVEEVGKMKIGNPLDRDNTNHPQNHEAHLRKLVEYQGRVKEGA
 TLVCGGNQVPRPGFFQPTVFTDVEDHMYIAKEESFGPIMIISRFADGDVDAVLSRANATEFGLASGVFT
 RDINKALVYSDKLQAGTVFVNTYNKTDVAAPFGGFKQSGFGKDLGEAALNEYLRIKTVTFEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

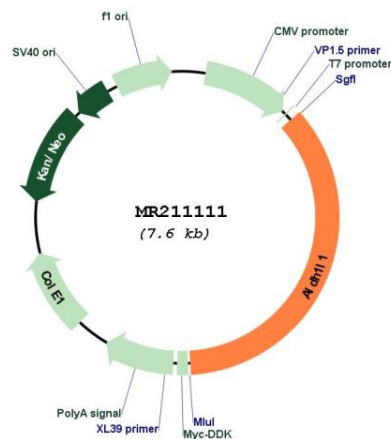
Cloning Scheme:



ACCN: BC030723

ORF Size:	2706 bp
OTI Disclaimer:	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.
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:	BC030723.1
RefSeq Size:	3031 bp
RefSeq ORF:	2708 bp
Locus ID:	107747
Cytogenetics:	6 D1
MW:	98.7 kDa

Product images:



Circular map for MR211111