

Product datasheet for **MC203060**

Aldh8a1 (NM_178713) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh8a1 (NM_178713) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh8a1
Synonyms:	Raldh4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC038493 CCACGCGTCCGCCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGGTCTAACATGGCTGAAAAAGGGA ACTTTTGATGTTGGAGAAGTTTATAGGTGGGAAGTTTTTACCCTGTAACATATAGATTCTTACGAT CCATCAACAGGGGAAGTTTATTGCAAAGTTCCAACAGTGGGAAAGAAGAGATTGAAGCTGCCGTGGAGG CTGCCAGAGAGGCCCTCCCTGCCTGGTCAATCCCGAGTCCCAAGAACGTTCTCTCGTCCTGAACAGGCT GGCTGATGTAAGGAGCAGTCTCTGGAGGAGTTAGCTCAGGCAGAATCTAAAGACCAAGGAAAAACCTC ACGCTGGCAAGGACCATGGACATTCCTCGGTCTGTTCTGAACTCCGGTCTTCGCTTCCCAACCTGC ACCACGTATCGGAGTGACACAGATGAGCCACCTGGGCTGTATGCATTACACCGTTCGCACCCCGGTGGG AATTGCTGGTTTATCAGCCCTTGAATTTACCACTCTACCTGCTGACCTGGAAGATAGCTCCGGCCATC GCTGCTGGGAATACCGTATAGCCAAGCCAGTGAAGTACTTCTGTGACTGCCTGGATGTTTTGTAAC TCTTGGATAAAGCAGGTGTCCACCAGGTGTGATCAACATTGTGTTTGGAAACAGGCGGAGGTTGGTGA AGCCCTTGTGCTCACCCGAGGTACCCCTTGTCTCGTTCACTGGGAGCCAGCCACAGCTGAACGGATT ACCCAGCTCAGTCCCCCACTGCAAGAAGCTTCCCTGGAGCTGGGAGGCAAGAATCCTGCTATCATCT TTGAGGATGCCAACCTGGAGGAGTGTATCCCGCAACCGTTAGGTCCAGCTTTGTAACAGGGGGAGAT CTGCCCTTGTACCAAGTAGAATCTTTGTCCAGAGAAGCATCTACAGTGAATTTCTGAAGAGGTTTGTGGAA GCTACCAGAAAGTGAAAGTTGGTGTTCCTTCTGACCCATCAGCCAACATGGGTGCTCTGATAAGCAAAG CACATTTGGAGAAAGTCAGAAGTTATGTCTTGAAGCTCAGACTGAGGGTGCCCGGATTCTCTGTGGTGA GGGTGTGGACAGCTGAGCCTCCACTCAGGAACCAGGCAGGCTACTTTCATGCTTCCACGGTGATAACA GACATTAAGGATGAGTCCCGTGCATGACGGAAGAGATCTTTGGTCCAGTGACGTGTGTTGTTCCGTTTG ATAGTGAAGAGGAAGTGATTACGAGAGCTAACAGTGTAGATACGGGCTGGCAGCCACAGTGTGGTCCAA GGATGTGGGGCGCATCCACAGGGTAGCTAAGAAGCTTCAGTCGGGGCTGGTCTGGACCAACTGCTGGCTC ATCAGGGAGCTGAACCTGCCCTTTGGAGGGATGAAGAGCTCTGGAATAGGAAGAGAAGGAGCCAAGGACT CATATGACTTCTTACTGAAATAAAAAACCATTACCATTAATACTGATCATCCTACAGCTGCTGTGGTTG ACGCTGCCAGCAGAGAATCGCTTGTGAGTGCAGTCAACAGAGATCCTAGGACATGTTTCAGTCATGCCGC TGCTTGCCAGGAGACTGGCTCTCAATGACCACTGACGGTATTTTTACCAGCTTGTGAAGGAAAAAAAAA AAAAA
Restriction Sites:	RsrII-NotI



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ACCN:	NM_178713
Insert Size:	1464 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:	<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:	BC038493 , AAH38493
RefSeq Size:	1685 bp
RefSeq ORF:	1464 bp
Locus ID:	237320
UniProt ID:	Q8BH00
Cytogenetics:	10 A3
Gene Summary:	Catalyzes the NAD-dependent oxidation of 2-aminomuconic semialdehyde of the kynurenine metabolic pathway in L-tryptophan degradation.[UniProtKB/Swiss-Prot Function]