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Product datasheet for MC202273

Aldh1a1 (NM_013467) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aldh1a1 (NM_013467) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aldh1a1
Synonyms:	Ahd-2; Ahd2; Aldh1; Aldh1a2; E1; Raldh1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>BC054386 sequence for NM_013467
GTCACCTGTGTTCCAGGAGCCAAACCAGCAATGTCTTCGCCTGCACAACCTGCAGTCCCTGCCCCACTGG
CCGACTTGAAGATTCAACATACCAAGATCTTCATAAACAATGAATGGCACAATTCAGTGAGCGGCAAGAA
ATTTCCAGTTCTTAACCCTGCAACTGAGGAGGTCATCTGCCACGTGGAAGAAGGGGACAAGGCTGATGTT
GACAAAGCTGTGAAGGCTGCAAGACAGGCTTTCCAGATTGGCTCTCCATGGCGCACCATGGATGCTTCAG
AGAGGGGCCGCCTGCTGAACAAGCTGGCTGACTTAATGGAGAGAGATCGTCTGCTGCTAGCTACAATGGA
GGCACTCAATGGTGGGAAAGTCTTTGCCAATGCATACTTGTCGGATTTAGGAGGCTGCATAAAAGCATTA
AAGTACTGTGCAGGCTGGGCTGACAAGATTCATGGTCAAACAATACCAAGTGATGGAGACATTTTCACTT
ATACAAGACGTGAACCTATTGGAGTGTGTGGCCAAATCATCCCCTGGAATTTTCCAATGCTCATGTTCAT
TTGGAAGATAGGCCCTGCCCTTAGCTGTGGGAATACCGTGGTTGTCAAGCCAGCAGAGCAAACTCCTCTC
ACGGCTCTTCACCTGGCATCTTTAATAAAAGAGGCAGGGTTTCCTCCTGGCGTGGTAAACATTGTCCCTG
GTTATGGGCCAACTGCAGGGGCAGCCATCTCCTCTCACATGGATGTCGACAAGGTGGCCTTCACTGGATC
AACACAGGTTGGCAAGTTAATCAAGGAAGCTGCAGGGAAAAGCAATCTGAAGAGAGTCACCCTGGAGCTT
GGGGGAAAGAGCCCTTGCATTGTGTTTGCAGATGCCGACTTGGACATTGCTGTTGAGTTTGCACACCATG
GAGTGTTTTATCATCAAGGCCAATGCTGTGTCGCAGCATCCCGGATTTTTGTTGAGGAGTCAGTTTATGA
TGAGTTTGTGAAAAGGAGTGTTGAGCGAGCTAAGAAATATGTTCTTGGAAATCCTCTGACCCCAGGAATA
AATCAAGGCCCTCAGATTGACAAGGAACAACATGATAAAATACTCGATCTCATTGAGAGTGGGAAGAAAG
AAGGAGCCAAACTGGAGTGTGGTGGAGGACGCTGGGGGAACAAAGGCTTCTTTGTGCAGCCCACAGTGTT
CTCCAACGTGACTGATGAGATGCGCATTGCCAAAGAGGAGATATTTGGACCAGTGCAACAAATCATGAAG
TTTAAGTCTGTAGATGATGTGATCAAGAGAGCAAACAATACTACCTATGGTTTAGCAGCAGGACTCTTCA
CTAAAGACCTGGATAAGGCCATCACTGTGTCATCTGCTCTGCAGGCTGGGGTGGTGTGGGTTAACTGCTA
TATGATGTTGTCAGCCCAGTGCCCCTTCGGTGGATTCAAGATGTCTGGAAATGGAAGAGAACTGGGTGAA
CATGGTCTTTATGAATACACTGAGCTCAAGACAGTCGCAATGAAGATATCTCAGAAGAACTCCTAAAGAA
GCCAGCAGAGTAAAGAGAAACTCTCAGCAGTGGCTACACATCTCCTATAGTAACCAGCATAGTCGTGTTT
TATTATAATTTCTTCTCCAGTTGATTTCTTAAGCAAAAGGAATTCATCAGTGTTACTGTCACTCATAAAA
AACATGTGGCTTAATCCAACAGATTCATTCACCTTCTAATATGTGACCCCAGTTCTTATCCAAGAATAGA
AGGATAGATATAAGCGCAAGCTCTCTGTAACTCCGTCATGACCAGGTGCTTTCCATTGTAGCTACTTATC
TAACATACTCATTTGGTGAGGAGGACTAGTTGTGACTTAAGCTCTGTCCCTCAGTGACTCCTTGAAGTAC
TCACCACACATAATGACTGCAGAGTCAGCTGCTCTGTTCCCCAGGTGTTGTGAAATATTTTCTAGAATGT
CATGCCTGCTTGTCAAATGAAATGCCTAGCTGTAATTAGAACGCAAAGCTTAATAAAGGCACCCTTGCAT
GAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013467

Insert Size: 1506 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:	BC054386, AAH54386
RefSeq Size:	2078 bp
RefSeq ORF:	1506 bp
Locus ID:	11668
UniProt ID:	P24549
Cytogenetics:	19 13.91 cM
Gene Summary:	Can convert/oxidize retinaldehyde to retinoic acid. Binds free retinal and cellular retinol-binding protein-bound retinal (By similarity). May have a broader specificity and oxidize other aldehydes in vivo (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (5) differs in the 5' UTR compared to variant 1. All five variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.