

Product datasheet for **SC203195**

Alcohol Dehydrogenase (ADH1A) (NM_000667) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Alcohol Dehydrogenase (ADH1A) (NM_000667) Human 3' UTR Clone
Symbol:	Alcohol Dehydrogenase
Synonyms:	ADH1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000667
Insert Size:	285 bp
Insert Sequence:	>SC203195 3'UTR clone of NM_000667 The sequence shown below is from the reference sequence of NM_000667. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC AAAAGTATCCGTACCATTCTGATGTTT TGA GACAATACAGATGTTTTCCCTTGTGGCAGTCTTCAGCCT CCTCTACCCTACATGATCTGGAGCAACAGCTGGGAAATATCATTAAATTCTGCTCATCACAGATTTTATC AATAAATTACATTTGGGGCTTTCCAAAGAAATGGAAATTGATGTAATAATTTTTCAAGCAAATGTT TAAAATCAAATGAGAACTAAATAAAGTGTGAACATCAGCTGGGGAATTGAAGCCAATAAACCTTCCT TCTTAACCA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000667.4</u>



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Summary:

This gene encodes a member of the alcohol dehydrogenase family. The encoded protein is the alpha subunit of class I alcohol dehydrogenase, which consists of several homo- and heterodimers of alpha, beta and gamma subunits. Alcohol dehydrogenases catalyze the oxidation of alcohols to aldehydes. This gene is active in the liver in early fetal life but only weakly active in adult liver. This gene is found in a cluster with six additional alcohol dehydrogenase genes, including those encoding the beta and gamma subunits, on the long arm of chromosome 4. Mutations in this gene may contribute to variation in certain personality traits and substance dependence. [provided by RefSeq, Nov 2010]

Locus ID:

124

MW:

10.7