

Product datasheet for **SC207472**

ALDH1A1 (NM_000689) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ALDH1A1 (NM_000689) Human 3' UTR Clone
Symbol:	ALDH1A1
Synonyms:	ALDC; ALDH-E1; ALDH1; ALDH11; HEL-9; HEL-S-53e; HEL12; PUMB1; RALDH1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000689
Insert Size:	567 bp
Insert Sequence:	<p>>SC207472 3'UTR clone of NM_000689</p> <p>The sequence shown below is from the reference sequence of NM_000689. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
ACAGTGAAAATCTCTCAGAAGAACTCAAAAGAAAATACAAGAGTGGAGAGAAGCTCTTCAATAGCTAA
GCATCTCCTTACAGTCACTAATATAGTAGATTTAAAGACAAAATTTTCTTTCTTGATTTTTTAA
CATAAGCTAAATCATATTAGTATTAATACTACCCATAGAAAACCTGACATGTAGCTTCTTCTGAAAGAA
TTATTTGCCTTCTGAAATGTGACCCCAAGTCCTATCCTAAATAAAAAAGACAAATTCGGATGTATGA
TCTCTCTAGCTTTGTCATAGTTATGTGATTTTCTTTGTAGCTACTTTTGCAGGATAATAATTTTATAG
AAAAGGAACAGTTGCATTAGCTTCTTTCCCTTAGTGACTCTTGAAGTACTTAACATACACGTTAACTG
CAGAGTAAATTGCTCTGTTCCAGTAGTTATAAAGTCCTTGGAAGTGTGTTTGAAGTTTCTAGGATGT
CATGTCTGCTTGTCAAAGAAATAATCCCTGTAATATTTAGCTGTAACTGAATATAAAGCTTAATAAA
ACAACCTTGCATGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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).


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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_000689.5</u>
Summary:	The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet. [provided by RefSeq, Mar 2011]
Locus ID:	216
MW:	21.8