

## 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  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ALDH1A1  
**Synonyms:** ALDC; ALDH-E1; ALDH1; ALDH11; HEL-9; HEL-S-53e; HEL12; PUMB1; RALDH1  
**ACCN:** NM\_000689  
**Insert Size:** 567 bp  
**Insert Sequence:** >SC207472 3'UTR clone of NM\_000689  
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.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACAGTAAAAATCTCTCAGAAGAACTCATAGAAAATACAAGAGTGGAGAGAAGCTCTTCAATAGCTAA
GCATCTCCTTACAGTCACTAATATAGTAGATTTAAAGACAAAATTTTCTTTCTTGATTTTTTAA
CATAAGCTAAATCATATTAGTATTAATACTACCCATAGAAAACCTTGACATGTAGCTTCTTCTGAAAGAA
TTATTTGCCTTCTGAAATGTGACCCCAAGTCCTATCCTAAATAAAAAAGACAAATTCGGATGTATGA
TCTCTAGCTTTGTCATAGTTATGTGATTTTCTTTGTAGCTACTTTTGCAGGATAATAATTTATAG
AAAAGGAACAGTTGCATTTAGCTTCTTTCCCTTAGTGACTCTTGAAGTACTTAACATACACGTAACTG
CAGAGTAAATTGCTCTGTTCCAGTAGTTATAAAGTCCTTGGACTGTTTTGAAAAGTTTCTAGGATGT
CATGTCTGCTTGCAAAAGAAATAATCCCTGTAATATTTAGCTGTAAGTGAATATAAGCTTAATAAA
AACAACTTGCATGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_000689.5](#)

**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