

## Product datasheet for **SC216807**

### **ALDH1A3 (NM\_000693) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ALDH1A3 (NM_000693) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ALDH1A3
Synonyms:	ALDH1A6; ALDH6; MCOP8; RALDH3
ACCN:	NM_000693
Insert Size:	1883 bp



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**Insert Sequence:** >SC216807 3'UTR clone of NM\_000693  
The sequence shown below is from the reference sequence of NM\_000693. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACCATCAAACCTTGGCGACAAGAACCCCTGAAGGAAAGCGGGGCTCCTTCCTCAAACATCGGACGGCGG
AATGTGGCAGATGAAATGTGCTGGAGGAAAAAATGACATTTCTGACCTCCCGGACACATTCTCTG
GAGGCTTTACATCTACTGGAGTTGAATGATTGCTGTTTTCTCTCACTCTCCTGTTTATTACCAGACT
GGGGATGCCTATAGTTGTCTGTGAAATCGCAGTCCTGCCTGGGGAGGGAGCTGTTGGCCATTTCTGTG
TTTCCCTTTAAACCAGATCCTGGAGACAGTGAGATACTCAGGGCGTTGTTAACAGGGAGTGGTATTTGA
AGTGTCCAGCAGTTGCTTGAATGCTTTGCCGAATCTGACTCCAGTAAGAATGTGGGAAAACCCCTGT
GTGTTCTGCAAGCAGGGCTTTGCACCAGCGGTCTCCTCAGGGTGGACCTGCTTACAGAGCAAGCCAGC
CCTCTTTCCGAGGTGAAGGTGGGACCATTCTTGGGAAAGGATTCACAGTAAGGTTTTTTGGTTTTGT
TTTTTGTTTTTCTGTTTTAAAAAAGGATTTACAGTGAGAAAGTTTTGGTTAGTGCATACCGTGGAA
GGGCGCCAGGGTCTTTGTGGATTGCATGTTGACATTGACCGTGAGATTCCGGTTCAAACCAATACTGCC
TTTGGAATATGACAGAATCAATAGCCCAGAGAGCTTAGTCAAAGACGATATCACGGTCTACCTTAACCA
AGGCACCTTTCTTAAGCAGAAAAATATTGTTGAGGTTACCTTTGCTGCTAAAGATCCAATCTTCAACGCC
ACAACAGCATAGCAAATCCTAGGATAATCACCTCCTCATTGACAAATCAGAGCTGTAATTCGCTTTA
ACAAATTACGCATTTCTATCACGTTCACTAACAGCTTATGATAAGTCTGTGTAGTCTTCTTTTCTCCA
GTTCTGTTACCAATTTAGATTAGTAAAGCGTACACAACCTGAAAGACTGCTGTAATAACACAGCCTTG
TTATTTTTAAGTCCTATTTTGATATTAATTTCTGATTAGTTAGTAAATAACACCTGGATTCTATGGAGG
ACCTCGGTCTTTCATCCAAGTGGCCTGAGTATTTCACTGGCAGGTTGTGAATTTTTCTTTTCTCTTTGG
GGATCCAAATGATGATGTGCAATTTTCATGTTTTAACTGGGAAACTGAAAGTGTCCCATATAGCTTCA
AAAACAAAAACAAATGTGTTATCCGACGGATACTTTTATGGTTACTAACTAGTACTTTCTAATTGGGA
AAGTAGTGCTTAAGTTTGCAAATTAAGTTGGGGAGGGCAATAATAAAATGAGGGCCCGTAACAGAACCA
GTGTGTGTATAACGAAAACCATGTATAAAATGGCCTATCACCTTGTGAGAGATATAAATTACCACAT
TTGCCCTCCCTTCATCAGCTAACACTTATCACTTATACTACCAATAACTTGTTAAATCAGGATTTGGCT
TCATACACTGAATTTTCAGTATTTTATCTCAAGTAGATATAGACACTAACCTTGATAGTGATACGTTAG
AGGTTTCTATTCTCCATTGTACGATAATGTCTTTAATATGAAATGCTACATTATTTATAATTGGTAG
AGTTATTGTATCTTTTTATAGTTGTAAGTACACAGAGGTTGATATTTAACTTCTGTAATATACTGTA
TTTAGAAATGAAATATATATAGTGTAGGTTTCACTTCTTTAAGGTTTACCCCTGTGGTGTGGTTTA
AAAATCTATAGGCCTGGGAATCCGATCCTAGCTGCAGATCGCATCCCACAATGCGAGAATGATAAAAT
AAAATTGGATATTTGAGAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**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 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000693.4](#)

**Summary:** This gene encodes an aldehyde dehydrogenase enzyme that uses retinal as a substrate. Mutations in this gene have been associated with microphthalmia, isolated 8, and expression changes have also been detected in tumor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

**Locus ID:** 220

**MW:** 71.6