

Product datasheet for SC211963

ALDH8A1 (NM_170771) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ALDH8A1 (NM_170771) Human 3' UTR Clone
Symbol:	ALDH8A1
Synonyms:	ALDH12; DJ352A20.2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_170771
Insert Size:	1052 bp
Insert Sequence:	>SC211963 3'UTR clone of NM_170771 The sequence shown below is from the reference sequence of NM_170771. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GAGATCAAAACCATCACCGTTAAACACATCTTTGCTAATGGTGGAGCCACTATGGCCAATGCCTGGC
TGCAGGCATCAGTTGTTCAATGTGGTAGATGAAATCATGGCATGAATCCAGCTATGCCTTGACTTGG
CAGAAGGTTATCTCTAGCTTATCCTCAGTTCTTAGTAACCTTACCCACTAGTGAAGAGATACTGTCTAT
TTTCAATGTGGACTCGGAAAAAAGACTTATAAGTAGGAAGATAGAACAATGATGCCAGTTGTCAGGCT
CCTCCCAGGTTATGTTTTCATAGTGTCTTTTCATCATCTTCATTGAACCTCTGGGAATCTCCAGATAA
TCAGATTATTTTCAATTTGGTAAATTTTAAAAAATATGCAATCAGGCACAGTGCCTCATGCCTATAATCCC
AGCACTTTGGGAGGCCAAGGTGGGTGGATCACTTGAGTTCAGGAGTTCGAGATCAGCCTAGGCAACATG
GTGAAATCCTGTCTTTACCAAAAGTTTAAAAATTAGCTTGGTGTGGTGCCTCTGCCTATAGCCCCAGC
TACTTGGGAGGCTGAGGTGGGAGGATCGCTTGAGCCAGGCGGTTGAGGCTGCAGTGAGCCATGATCAT
TCCACTGCATTTACGCTGGGGGATACAGTGAGACCTTGCTTTAAAAAATGCTGCAAAACCAAA
AATAAATAGCCATAATTTGCCATCTTTGGAGAGATTATGGAGATAATCTCCTTGCTATTAGCCACTAG
CATGGCTAATTGATCATTGATTGGACCTCATTACATAAGGGGGCTGTGGACGCTTTGGAATTTGTTAG
GGGAAGGCTATGTGGTAAGCTCTACTAAATGTATCTGTACAAGGATGAAGAAAAACAAATAACTACTA
CTTTTGGAGGAACTTGGAACAAGAAGGTACATAGTTTGATCCATTCTACGGTCGAGTCTAATCAAT
TCCATTTCTTAGTGATGCATCTAATGAGGCTTACAACCTTGCTAACCCCAAGAAGCAATAAATGTTA
AGCAATTTTAGTAACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI



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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_170771.3
Summary:	This gene encodes a member of the aldehyde dehydrogenase family of proteins. The encoded protein has been implicated in the synthesis of 9-cis-retinoic acid and in the breakdown of the amino acid tryptophan. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. In addition, this enzyme has been shown to catalyze the conversion of 2-aminomuconic semialdehyde to 2-aminomuconate in the kynurenine pathway of tryptophan catabolism. [provided by RefSeq, Jul 2018]
Locus ID:	64577
MW:	39.1