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Product datasheet for SC214551

ALDH4A1 (NM_003748) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ALDH4A1 (NM_003748) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ALDH4A1
Synonyms:	ALDH4; P5CD; P5CDh
ACCN:	NM_003748
Insert Size:	1445 bp

View online »

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Insert Sequence:

>SC214551 3'UTR clone of NM_003748
The sequence shown below is from the reference sequence of NM_003748. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGGACTGGAGCTACGCGTACATGCAGTGAGCCCCTCTCGGGCTCCACCGTCCAGCTGTCTGTCCGTCC
AGGTGGCCGACCTCACTGCACAGACCCCACTCCAGCCCCTCCACCCCTTCTTCATGCACAGCTGCCTTT
CTATAATCCGGGCTTGACTCCCTTCTTACCACTGTATTCTGGCCTCTCCCATGCCTCAGGCTCTGGTTT
GAGATCGTGCTGGGGAGGAACATGGCCACTACCCCTTATCCCATCGGCCATGTGGGAGGTATGACCCTG
GTGCCTGGCAGGTTCTCCCTCTGCCCTCCACTGGGCCCAGTGGCTCAGGGACCTGGGGAAAGGAGATGG
AGCAGCTCTTGGGATCCTTTGGGGAAAAGGAGGCCATTCTGGGCCCCTTGGCAAACCTCACCACTCACA
GAGGCTCCTGGCCTTGATCCCTGCCCCTCCAGGTGTCCAGGGTAAAGTGTAACTCAGACTGACCTGTGG
GGCACAGGGGGCACCAGCTGGCCTTGCCCTCTCTGGTCTGGGCTGTCTACCTTCCTCACTGTATCTTTG
CCCAGACCCACCTGGGCCAGTAGGCCCCTGTCCCCAGCCACACACCTTAGATGCTGGCATGCCTTACTC
CAGGTGCCTGTGTTTGGCCGAGGCCTGTGTGATTCCCGGTCTGCACCACATGGCGGGGTTGGGGGGCCG
CTGGAGGCCACCTGCCAAGGCGTGGGATGGGATGGTCCTGCCGGTTTAGGCCGTGATTCTGGAAAACCT
TGGATGGGCCTTCGTCCTATGTCAGCCTTCCCTTTGATCCTCAGGCCCTACCTGTAGAGACCTCCACTC
CTAGAGCCAGTCTCAGGGTCTGGGATTTCCCTGCAGGAGCTCAGCCACCACTGTGCCATGGTGACACAG
GCCAAGGCAGACATTGGCCCTCCCTTCTCCCAGCCCCCAGAGGCCTGGCCTTGGGTTCGTCAGCATGGG
CCGAGGACGTTGCCTGTAGAATCCTCCTCTGCCTGGGAGTGGCTCTGTGTGGACCAGTCCCTCACTGGC
CCATTCTTTTTTTGACGCAGCCAATCTGTGACCACGATTCCTCCCACAGATGCCTCCTGCTTGGATTCT
GAGTGGTCAGAGATCTGTAAAGCATGACTTTCAAGGATGGTTCTTAGGGGACTGTGAAAGTGTTGGGTC
TTCCTCCAGGATGCCTGCATGGGACCCCACCCGGAGCTGGTGTGGCCATTCCCCAAGTGCCACTGGCCC
ATGGATGGGGGTGGGTGCTGGTGCCAGCTGGGCTGGGTGTGGGTTCTGTGTCCTTCCAGGATATGTGTC
ATTTCCCATGAGGGGCCGGGGCAGGTGGCTGGGTGGGGGCACAGGCTGGAGTATTCTTAGTTCTACTGG
TTCTACACTGTGAGGTGGCAATGGGATTTGCTCAGATGCCACCCAATAAAATGCCTGTTACTTAA
AGCGGACCGACTTACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTCGATTCCACCGCCGC

Restriction Sites: SgfI-RsrII

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_003748.4

Summary: This protein belongs to the aldehyde dehydrogenase family of proteins. This enzyme is a mitochondrial matrix NAD-dependent dehydrogenase which catalyzes the second step of the proline degradation pathway, converting pyrroline-5-carboxylate to glutamate. Deficiency of this enzyme is associated with type II hyperprolinemia, an autosomal recessive disorder characterized by accumulation of delta-1-pyrroline-5-carboxylate (P5C) and proline. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jun 2009]

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Locus ID:	8659
MW:	53.3

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