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Product datasheet for SC205619

ALDH4A1 (NM_170726) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: ALDH4A1 (NM_170726) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: ALDH4A1

Synonyms: ALDH4; P5CD; P5CDh

ACCN: NM_170726

Insert Size: 432 bp

Insert Sequence:

>SC205619 3'UTR clone of NM_170726
The sequence shown below is from the reference sequence of NM_170726. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGGACTGGAGCTACGCGTACATGCAGTGAGCCCCTCTCGGGCTCCACCGTCCAGCTGTCTGTCCGTCC
AGATGCCTCCTGCTTGGATTCTGAGTGGTCAGAGATCTGTAAAGCATGACTTTCAAGGATGGTTCTTAG
GGGACTGTGAAAGTGTTGGGTCTTCCTCCAGGATGCCTGCATGGGACCCCACCCGGAGCTGGTGTGGCC
ATTCCCCAAGTGCCACTGGCCCATGGATGGGGGTGGGTGCTGGTGCCAGCTGGGCTGGGTGTGGGTTCT
GTGTCCTTCCAGGATATGTGTCATTTCCCATGAGGGGCCGGGGCAGGTGGCTGGGTGGGGGCACAGGCT
GGAGTATTCTTAGTTCTACTGGTTCTACACTGTGAGGTGGCAATGGGATTTGCTCAGATGCCACCCAAT
AAAATGCCTGTTACTTAA
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_170726.3

View online »

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]

Locus ID: 8659

MW: 14.8