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Product datasheet for SC200010

Adenylosuccinate Lyase (ADSL) (NM_000026) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Adenylosuccinate Lyase (ADSL) (NM_000026) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ADSL
Synonyms:	AMPS; ASASE; ASL
ACCN:	NM_000026
Insert Size:	2000 bp

View online »

Insert Sequence:

>SC200010 3'UTR clone of NM_000026
The sequence shown below is from the reference sequence of NM_000026. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGAAGGTGAAAGCAGAATTATGTCTGTAGAGTTGGAAGAGAATTAAACGAAAATCATTGTTAATTGCT
GAGGCATGAAAATTGTGTTACTATAATGCCTTATTTTACCTCGAGAATTGTTACCTTAAATTAGTACAG
CACTTTCTTCTTCCCATGGTGCTTTCCTGTTTCTCAGTCTCACATTTCTCAACAAGGCAAAAACAAAGA
GCGTTGAAGTTGACTCTGCTCTTGCATAGTAAATGTAGTTCATACTTGATCTCTGTTCTTTCAAGGCAT
ATTTTCCAGCTGCCTCAAGTTTAGTCCTTTTCACGTGTTCATTTGCTTGTAAAGTAGCAAGAAATTTCT
GGTCCTGTCTTCTAAAAGTGAATTTGATCTAGGTCTAGCAAAATAACCTGGACTCAGTGATTGAGTCAA
TGGTCAGATACCTTTTATTTCGGTTATTTTTGGCTAGTATAAGTGATGAAGTTTGGAACTACAGTAAAT
ACTTAAAAAAAAAAAAAAAAAAGAACCAAACCCTGATGTGACCATCAGGCTGATTGAGCTGAAGTTGTGC
CCAAGCTCATTTCATCTTTTGATAAGGCTTATACAGCAGGGAAATGCTAATTGAGTATATTGATTTCAT
CAGGGCCGCTGACAGTCTTTATTCCTTGTTGCATGGATTTTGTTGTTGAGGCTTGCTCTGTCACCCAGA
CTAGAGTGCAGTAGCACAATCTTGGCTCACTGCAACCTCCGCCTCTCAGGTTCAAGCGATTCTCCAGCC
TCAGCCTCCCAAGTAGCTGGGATTACAGGCGCCTGCCGCCATGCCTGGCTAATTTTTGTATTTTTAGAC
GGGATGGAGTTTTGCCATGTTGGGCGGGCTGGTCTTGAACTCCTGACCTCAAGTGATCCGCCCATCTCA
GCCTCCCAAAGTTCTGGGATTATAGACATGAGCCACCACACCCAGCCTAATCTTGTTTTCTTTTTTTAC
TTGTTTACAGTGTAAGCAAGTGCCATTGGACAAGAACGTTGTCTGTGTCATTCCTTGTTGTATTTCCAA
TAGCAAGAGCACATCAGATACTTGGCAACTAGGCAGTCTTCCAGCTTCTGCCACTGCGCCCGACTTCCT
TGTTGCATGGATTTATAGCTGATTGAAGCAACTGTAGCCAAAGATTGAGTTAATTACCTACCTGCCAGG
AGAGCACTAGTGTTATTTAGCCCATTCTCATCCTACATATTTTTCGGCATAGATGAAAATGAAAGCTTT
TGTTTATCAGATTTGCAGATGACACAAAACTGGGAGAATTAACAAGTATGTTTATTTGGTAAAATAAGT
TTTCATCTCTAACCTAAATCGGCTGAAATGATGTGTCCTAAACTAGAGGAAAAAGTTAATAAAGATCAA
TGTAAATAAGTTAATCTTAAACTCAGTATGCACCAGAACTGAGAGAAGACTGTTTTAGGAGGTGTTAAT
GGTTGTCCAGTGCCCAAAAAGCCACCAGAGGCTTACTGCTCCGCACTCTTGGCATTACATTCAATTTTG
GATACCCAGTCTGAGGAATAGAGATGAACTGGAGAGCCAACCTCCAAAAAGATCTTGTGGTGGAGGAAT
GTTAGGGCTCTTTATCCTATACAGAAGAAAACTCCTCGGCACTTCAAATATTGCCAGGTGCAGGAAGAG
TGACTTGATTGTGTGTTGCCCCAAGAGACACACTGAGCTCAATACCCATTACTGAGACTGGCTTGGGGC
CAGACATTGGAACCACTGAGATTAGCAACCTACACTCAATCCCCCAGGTCAGGCAGAAGCTGGAAGACT
GCCTCGTTAGGAATGTTGTGAGGGAGAGGAGGCTGAATCGGTTCCAGTTTTATTTAAAAGTAGCCAGGA
AATCAGGTTGCGATGATGCGCATTTACAGTCCCAGCTACTTGGGAAGCTGAGGCGATAGGGTCACTTGA
GCCCAAGAGTTTAGTCCAGGCTGGGTGACAGCGAGCCCTTGTCACTTAAAGCCAACCTAAGAGAAGAG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_000026.4

Summary: The protein encoded by this gene belongs to the lyase 1 family. It is an essential enzyme involved in purine metabolism, and catalyzes two non-sequential reactions in the de novo purine biosynthetic pathway: the conversion of succinylaminoimidazole carboxamide ribotide (SAICAR) to aminoimidazole carboxamide ribotide (AICAR) and the conversion of adenylosuccinate (S-AMP) to adenosine monophosphate (AMP). Mutations in this gene are associated with adenylosuccinase deficiency (ADSLD), a disorder marked with psychomotor retardation, epilepsy or autistic features. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]

Locus ID: 158

MW: 75.8