

Product datasheet for **SC205814**

Argininosuccinate Lyase (ASL) (NM_001024946) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Argininosuccinate Lyase (ASL) (NM_001024946) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ASL
Synonyms:	ASAL
ACCN:	NM_001024946
Insert Size:	694 bp
Insert Sequence:	>SC205814 3'UTR clone of NM_001024946

The sequence shown below is from the reference sequence of NM_001024946. 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
CGGGCGCTACTGCAGGCACAGCAGGCCTAGGTCTCCACACCTGCCCCCTAATAAAGTGGGCGCGAGA
GGAGGCTGCTGTGTGTTTCTGCCCCAGCCTGGCTCCCTCGTTGCTGGGCTTTCGGGGCTGGCCAGTGG
GGACAGTCAGGGACTGGAGAGGCAGGGCAGGGTGGCCTGTAATCCAGCACTTTGGAAGGCAAGGTGC
GAGGATGCTTGAGGCCAGGAGTTTGACACAGCCTGGGCAACACAGGGAGACCCCATCTCTACTCAATA
ATAAAACAAATAGCCTGGCGTGGTGGCCCATGCATATAGTCCCAGCTACTTGTAAGGCTGAGGTGAGAG
GACACTTGTGCCAGGAGTGGAGGCTGCAGTGAGCTATGATCACGCCACTGCATTCCAGCCTGGATAAC
AGAGTGAGAACCTATCTCTAAAAATAAATAAATAAACGAAAAATAAATGGAAGCGGAGAAAACTGGGCA
AGGGCAATGAGAGTCGTAGACGGGAAGGGAAGAGGGGGCTCCCATCATAGCCTCTGCTGTCCAGGCC
CCATCCCCTTCAGACAGGTATCACAGTGACCTCCTAGGCCAGGAGCGATGGCTCACGCCTGTAATCCT
AGCATTGTTGGGAGGCCTGGGCAACAGGAAGACTCCAACCTACCATATTAACAAAAACATGAATGAAAGCA
AAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-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).



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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_001024946.2
Summary:	This gene encodes a member of the lyase 1 family. The encoded protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in this gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency. A nontranscribed pseudogene is also located on the long arm of chromosome 22. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Locus ID:	435
MW:	25.1