

## Product datasheet for **SC212148**

### **ABCD1 (NM\_000033) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** ABCD1 (NM\_000033) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ABCD1  
**Synonyms:** ABC42; ALD; ALDP; AMN  
**ACCN:** NM\_000033  
**Insert Size:** 1050 bp  
**Insert Sequence:** >SC212148 3'UTR clone of NM\_000033  
The sequence shown below is from the reference sequence of NM\_000033. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTGGTGGCCTCCAGGGTGCCTCCACCTGACACAACCGTCCCCGGCCCTGCCCCGCCCAAGCTCGG
ATCACATGAAGGAGACAGCAGCACCCACCCATGCACGCACCCCGCCCTGCATGCCTGGCCCTCCTCC
TAGAAAAACCTTCCCGCCCTCGGAAAGTAGATGTGGAGGGTGGCGCCCTGCGTAACCCTCGCCCTGTC
CCTCCCACTCCCTGGGGGCGCTGTTCCACAGTGAAGGGCCCTGTCCAGGGCAGTGAGTCTCTACTTT
GCTCCGTGGAGGAAGCTGGGGTACAAGGGGCCAGTGCTGGCCACACAGCAGCGCAGCCGAGCCCCAGG
AGCCCGTCAGGCCACAGCCCTGGCACTGCAGGTGGCCTCCCTCCAGAGACTCGAGTCCCATGATTCC
CTCCTCGTCAGTCTCTCAAAGACCCCATGGTCCATCCCTGAGGGTGGTCAGCCAAGGCTCCCGTTCCG
TGGGATGCCATAAAAGCCGCCAGTGGGACCCACAGTACACAGAGCGCCTCACCTGCATCCTCCTCCC
CACAAAGACCCCCAAAGATCCCACGGGAGAGGGGAGAGGGACGCACAGCACTGCCTGCCAAGCGAGAATG
CAGGCCCCGCCCCCTCGGCCCTCACCACCTCTTTCTACAGCCTAATTTATTGGATTCCCTATTCGTAG
CCATCTCCGTGGCCAATGTGACTACCGTGCCAGCAGCGGGGGCGCCAGCCTCTGAGTCCCGTGGGGC
CCCGGCTCCCACCGGTGCCAAACCCAGCCCTGCGGCCGTCAACCCGCCAGCCTACACTGCCAGCCGCC
ACCGGGGCACACGGGCCTCTGCTTGCCAGCCAGGAGTGGCGACACCATGTTCCAGCTCAGTGCCAAAG
AGGGGTACCAGGGGGAGCTGTCTGCGGAGCCAGCGCCTGCCGAGAGAGACCCACCGCCACCGTGTG
CCTTTCCCGGGCCCTCAGCCCTCGGGCCGGGCACCACCCCAAGTCCCCCAGTAAAGCCTCCACTGGC
AAATGCAGTCCTTC
ACGGCTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_000033.4</a>
<b>Summary:</b>	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	215
<b>MW:</b>	37.9