

## Product datasheet for **SC205786**

### D Amino Acid Oxidase (DAO) (NM\_001917) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** D Amino Acid Oxidase (DAO) (NM\_001917) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** DAO  
**Synonyms:** DAAO; DAMOX; OXDA  
**ACCN:** NM\_001917  
**Insert Size:** 538 bp  
**Insert Sequence:** >SC205786 3'UTR clone of NM\_001917  
The sequence shown below is from the reference sequence of NM\_001917. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TTGTCCAGAAATGCCACCATCCCACCTCTGAAGACTCCAGTACTGCTGCCTCCCCCACAAGAACTCCC
TTCTCCCCTCAGCCAATGAATCAATGTGCTCCTTCATAAGCCATTGCTTCTCCCTCACTTCTTTCCTCA
AAGAAGCATGAGGTGAGAGAAAGCCACAAAGTCAGTGCCTGGAGAAGGGTTCAGCCCAACATGGGGCCC
CTCTCATCACTGAAATCCCTCTACCTTCTCTGGGTCTGGCATTATAAAGAACAGCTGAGGCTGTCATTC
CATGAGTCTTCAGAAGAAAGGACAGCTCAGAAAATCAAAGAGGCCAACTGCCAGAGCCACAGAAAATG
GAGGATAATTGAGGCTAAGTAACCTGATTACAAGTTGTAATAACATATTAAGGTTCTGAAAAGTCTG
CAGCAAAGACAATCTGATGTTGTTAAACCCAGTGCTTGCTAAACCTATCTGGCTATGGAACCTTT
TGCCAGAGCACCCATGAATGCCATGACACAAATCTGAGAAAATGCTGGAACAGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**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\\_001917.5](#)



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**Summary:**

This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D-amino acids, but it is inactive on the naturally occurring L-amino acids. Its biological function is not known; it may act as a detoxifying agent which removes D-amino acids that accumulate during aging. In mice, it degrades D-serine, a co-agonist of the NMDA receptor. This gene may play a role in the pathophysiology of schizophrenia. [provided by RefSeq, Jul 2008]

**Locus ID:**

1610

**MW:**

20.7