

Active Native Porcine D-Amino acid oxidase

Cat. No. DAO1-25P **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Pig
Source	Porcine Kidney
ProteinLength	347 aa
Form	A freeze-dried material.
Bio-activity	6000 U/g
Unit Definition	That amount of enzyme causing the transformation of one micromole of D-alanine to pyruvate per minute at 25 °C and pH 8.3 in the presence of catalase.
Usage	For research use only, not for diagnostic or therapeutic use.
Storage	Store desiccated at -15 °C or below. Allow to come to room temperature before opening. Before returning to storage, redesiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15 °C or below.

GENE INFORMATION

Gene Name	DAO1 D-amino acid oxidase [<i>Sus scrofa</i>]
Official Symbol	DAO1

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Synonyms	DAO; DAAO; DAMOX; D-amino-acid oxidase
Gene ID	397134
mRNA Refseq	NM_214066
Protein Refseq	NP_999231
UniProt ID	P00371
Chromosome Location	14q2.1-q2.3; 14
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; D-Arginine and D-ornithine metabolism, conserved biosystem
Function	D-amino-acid oxidase activity; FAD binding; protein dimerization activity

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