

## Recombinant Bovine D-aspartate Oxidase (DDO), N-His

Cat. No.: AP1C286

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Bovine D-aspartate Oxidase (DDO), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 14.0 kDa. The purity is >95% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Predicted Molecular Weight	14.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

### Target Information

Bovine D-aspartate oxidase (DDO) is a flavoenzyme that catalyzes the oxidative deamination of D-aspartate to iminoaspartate, playing a role in the metabolism of D-amino acids. It is involved in maintaining acid-base balance and may have implications in neurodegenerative diseases due to its interaction with the NMDA receptor.

Protein	Bovine D-aspartate Oxidase (DDO)
Gene ID	<a href="#">280763</a>
UniProt ID	<a href="#">P31228</a>

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months.

## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.