

## Fructosyl-Amino Acid Oxidase from E. coli, Recombinant

Cat. No. DIA-409

Lot. No. (See product label)

### Introduction

#### Description

Fructosamines are formed when glucose is condensed amino group of amino acids or proteins. Fructosamine oxidases (FAOX) catalyze the oxidative deglycation of low molecular weight fructosamines. Fructosyl amino acid oxidase catalyzes the oxidation of the C-N bond linking the C1 of the fructosyl moiety and the nitrogen of the amino group of fructosyl amino acids.

#### Synonyms

Fructosyl-amino acid oxidase

### Product Information

#### Species

E. coli

#### Source

E. coli

#### Appearance

Yellow lyophilizate

#### Molecular Weight

ca. 45 kDa

#### Activity

> 4 U/mg lyophilizate

#### Michaelis Constant

$2.2 \times 10^{-4}$  M (Nε-fructosyl-L-lysine)

#### Structure

monomer of 50 kDa (SDS-PAGE)

#### Stabilizers

Trehalose

### Storage and Shipping Information

#### Storage

at -20°C