

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

2.2×10^{-4} M (N ϵ -fructosyl-L-lysine)

Structure

monomer of 50 kDa (SDS-PAGE)

Stabilizers

Trehalose

Storage and Shipping Information

Storage

at -20°C