

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 (Nε-fructosyl-L-lysine)

Structure monomer of 50 kDa (SDS-PAGE)

Stabilizers Trehalose

Storage and Shipping Information

Storage at -20°C