Creative Enzymes®

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 x 10^-4 M (Nε-fructosyl-L-lysine)
Structure	monomer of 50 kDa (SDS-PAGE)
Stabilizers	Trehalose

Storage and Shipping Information

Storage	at -20°C