

Fructosyl-Amino Acid Oxidase from *Corynebacterium* sp., Recombinant

Cat. No. NATE-0258

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.

Applications

Fructosyl-amino acid oxidase can be used to detect the levels of glycated proteins, which are markers for diabetes mellitus.

Synonyms

Fructosyl-Amino Acid Oxidase

Product Information

Species

Corynebacterium sp.

Source

E. coli

Form

lyophilized powder

Molecular Weight

mol wt ~88 kDa by electrophoresis

Activity

> 0.45 units/mg protein

Unit Definition

One unit will produce 1.0 μ mole of hydrogen peroxide per minute at pH 8.0 at 37°C.

Storage and Shipping Information

Storage

-20°C