

Fructosyl-Amino Acid Oxidase from E. coli, Recombinant

Product Information

Cat#	DIA-409
Similar	Fructosyl-amino acid oxidase
Source	E. coli
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.
Activity	> 4 U/mg lyophilizate
Storage	at -20°C
Synonyms	Fructosyl-amino acid oxidase
Michaelis Constant	2.2×10^{-4} M (N ϵ -fructosyl-L-lysine)
Stabilizers	Trehalose
Abbr	Fructosyl-Amino Acid Oxidase, Recombinant (E. coli)
Appearance	Yellow lyophilizate
Structure	monomer of 50 kDa (SDS-PAGE)
Molecular Weight	ca. 45 kDa
Species	E. coli