

Monoamine Oxidase A from Human, Recombinant

Cat. No. NATE-0440

Lot. No. (See product label)

Introduction

- Description** MAO's are proteins of the mitochondrial membrane. These enzymes are responsible for catalyzing oxidative deamination of endo-and xenobiotic amines. Substrate specificity differs for each isozyme.
- Applications** Monoamine Oxidase A has been used in a study to assess abnormal behavior in a large kindred of males where a deficiency of enzymatic activity of monoamine oxidase A was found. It has also been used in a study to investigate an association between smoking and the inhibition of MAOA.
- Synonyms** MAO-A; MAOA; EC 1.4.3.4; Monoamine Oxidase A; adrenalin oxidase; adrenaline oxidase; amine oxidase (ambiguous); amine oxidase (flavin-containing); amine:oxygen oxidoreductase (deaminating) (flavin-containing); epinephrine oxidase; monoamine:O₂ oxidoreductase (deaminating); polyamine oxidase (ambiguous); serotonin deaminase; spermidine oxidase (ambiguous); spermine oxidase (ambiguous); tyraminase; tyramine oxidase

Product Information

- Species** Human
- Source** Baculovirus infected BTI insect cells
- EC Number** EC 1.4.3.4
- CAS No.** 231-791-2
- Concentration** ~2.5 mg per vial
- Pathway** Amine Oxidase reactions, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Biological oxidations, organism-specific biosystem
- Function** flavin adenine dinucleotide binding; oxidoreductase activity; primary amine oxidase activity; serotonin binding

Storage and Shipping Information

- Storage** -70°C