

## Monoamine Oxidase B from Human, Recombinant

Cat. No. NATE-0441

Lot. No. (See product label)

### Introduction

<b>Description</b>	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.
<b>Applications</b>	Drugs that inhibit monoamine oxidase B activity are used for the treatment of various neurological disorders including depression. Monoamine Oxidase B has been used in a study to assess the effect of age in 23 different regions of the human brain. It has also been used in a study to determine the specific locations of monoamine oxidase in the human brain.
<b>Synonyms</b>	MAO-B; MAOB; EC 1.4.3.4; Monoamine Oxidase B; adrenalin oxidase; adrenaline oxidase; amine oxidase (ambiguous); amine oxidase (flavin-containing); amine:oxygen oxidoreductase (deaminating) (flavin-containing); epinephrine oxidase; monoamine:O <sub>2</sub> oxidoreductase (deaminating); polyamine oxidase (ambiguous); serotonin deaminase; spermidine oxidase (ambiguous); spermine oxidase (ambiguous); tyraminase; tyramine oxidase

### Product Information

<b>Species</b>	Human
<b>Source</b>	Baculovirus infected BTI insect cells
<b>EC Number</b>	EC 1.4.3.4
<b>CAS No.</b>	231-791-2
<b>Concentration</b>	~2.5 mg per vial
<b>Pathway</b>	Alpha-synuclein signaling, organism-specific biosystem; 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; Biological oxidations, organism-specific biosystem
<b>Function</b>	electron carrier activity; flavin adenine dinucleotide binding; oxidoreductase activity; primary amine oxidase activity; protein homodimerization activity

### Storage and Shipping Information

<b>Storage</b>	-70°C
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