

Recombinant Human Monoamine Oxidase B

Cat. No. MAOB-707H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human monoamine oxidase B was expressed in <i>Baculovirus</i> infected BTI insect cells.
Species	Human
Source	Insect Cells
Description	Monoamine oxidase B, also known as MAOB, is a protein which in humans is encoded by the MAOB gene. The protein encoded by this gene belongs to the flavin monoamine oxidase family. It is an enzyme located in the mitochondrial outer membrane. It catalyzes the oxidative deamination of biogenic and xenobiotic amines and plays an important role in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. This protein preferentially degrades benzylamine and phenylethylamine.
Assay	~2.5 mg per vial.
Shipped In	Dry ice.
Storage Temp	-70°C.
Personal Protective Equipment	Eyeshields, Gloves, half-mask respirator (EU), half-mask respirator (US), multi-purpose combination respirator cartridge (US).

GENE INFORMATION

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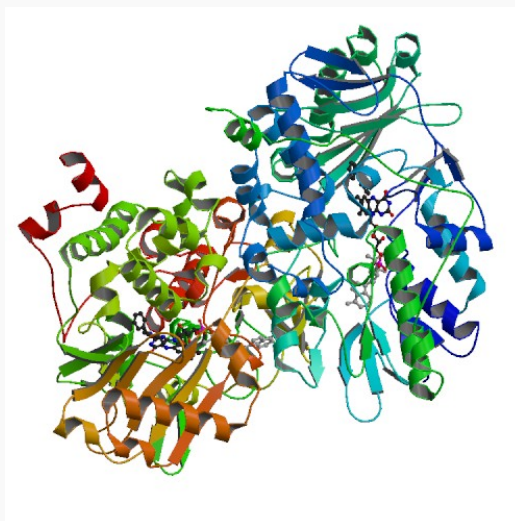
Gene Name	MAOB monoamine oxidase B [Homo sapiens]
Synonyms	MAOB; MGC26382; monoamine oxidase B; MAO, brain; MAO; platelet; tyramine oxidase; adrenalin oxidase; EC 1.4.3.4; MAO-B
Gene ID	4129
mRNA Refseq	NM_000898
Protein Refseq	NP_000889
MIM	309860
UniProt ID	P27338
Chromosome Location	Xp11.23
Pathway	Glycine, serine and threonine metabolism; Histidine metabolism; Phenylalanine metabolism; Tryptophan metabolism; Tyrosine metabolism; Urea cycle and metabolism of amino groups; Biological oxidations

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