Active Recombinant Human MAOB

Cat. No. MAOB-108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A well-established source of cDNA-expressed enzymes for studies of metabolism.
Species	Human
Description	MAO B is distributed at high levels in the liver, brain and platelets. Benzylamine and phenylethylamine are considered selective substrate for MAO B. Deprenyl has been shown to be a potent and selective inhibitor and is currently used in the treatment of Parkinson?s disease.
Form	100 mM potassium phosphate (pH 7.4) for MAO assays. When evaluating new buffers it may be advisable to test new compositions relative to the buffer used for the QC assay.
Bio-activity	Catalytic assay: Kynuramine Deamination Representative catalytic activity: 54 nmol/(min x mg protein)
Storage	-80
Concentration	5 mg/ml
Shipping	dry-ice

GENE INFORMATION

Gene Name	MAOB monoamine oxidase B [Homo sapiens (human)]

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Official Symbol	MAOB
Synonyms	MAOB; monoamine oxidase B; amine oxidase [flavin-containing] B; MAO-B; MAO, brain; MAO, platelet; tyramine oxidase; adrenalin oxidase; monoamine oxidase type B; EC 1.4.3.4
Gene ID	4129
mRNA Refseq	NM_000898
Protein Refseq	NP_000889
MIM	309860
UniProt ID	P27338
Chromosome Location	Xp11.23
Pathway	Alpha-synuclein signaling; Amine Oxidase reactions; Arginine and proline metabolism
Function	electron carrier activity; flavin adenine dinucleotide binding; primary amine oxidase activity

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