RANDOX BIOSCIENCES
Discovery | Drug Development | Diagnostics

Monoamine oxidase B (MAO-B)		**Human, Recombinant, *E. coli***	
Cat. No.:	RCP9305 RCP9306 RCP9307	**Size:**	10µg 100µg 1000µg

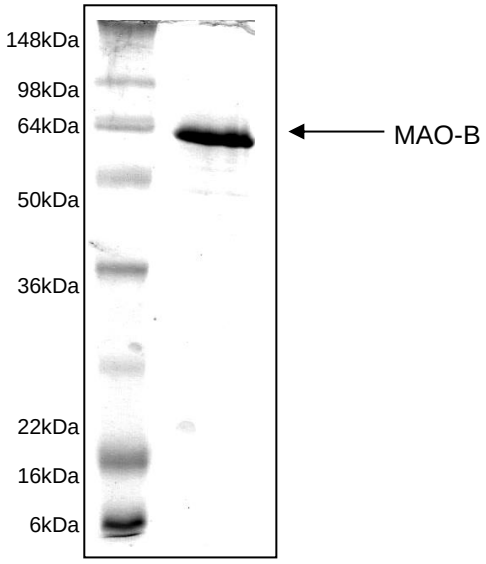
Synonym: Amine oxidase [flavin-containing] B, Monoamine oxidase type B, MAOB, Mao Platelet, MAO Brain.

Description: Monoamine oxidase B (MAO-B) is a flavin-containing mitochondrial enzyme, which catalyzes the oxidative deamination of biogenic and xenobiotic monoamines. It regulates the metabolic degradation of catecholamines and serotonin in neural and other target tissues. MAO-B is found platelets and in dopamine-secreting neurons in the brain. Increased levels of MAO B that have been identified in brain of Alzheimer's patients. Monoamine oxidases (MAO B and MAO A) are well-known targets for antidepressant drugs and for drugs used to treat neurological disorders and aging diseases, such as Parkinson's and Alzheimer's disease.

RANDOX recombinant MAO-B comprises a 488 amino acid fragment (2-489) corresponding to the cytoplasmic domain fragment of the mature MAO-B protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid

Purity: >95% by SDS-PAGE



References: Binda, C. *et al*., *Neurology* 2006 **67** : S5-S7.

Li, M. *et al*., *Protei Expr Purif.* 2002 **24 (1)** : 152-62.

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