



**Monoamine oxidase B (MAO-B) Human, Recombinant, *E. coli***

<b>Cat. No.:</b>	RCP9305	<b>Size:</b>	10µg
	RCP9306		100µg
	RCP9307		1000µg

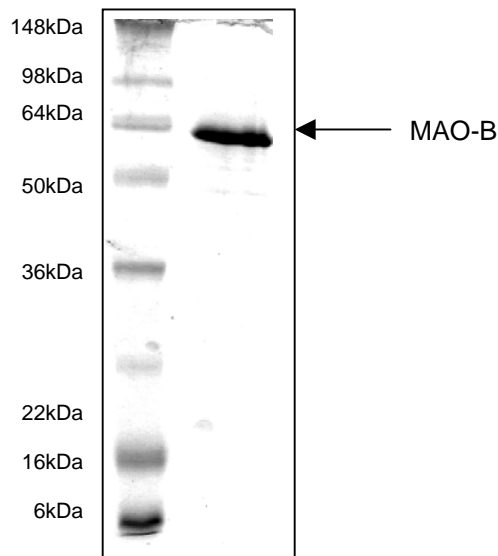
**Synonym:** Amine oxidase [flavin-containing] B, Monoamine oxidase type B, MAOB, Mao Platelet, MAO Brain.

**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.