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

**Cat. No.:** RCP9304  **Size:** 10μg

**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.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:** Single band on Western blot.
