

15-10001: Peroxidase, Horseradish

Alternative Name : Peroxidase, Horseradish,HRP, 9003-99-0,CAS No.: 9003-99-0

Description

Peroxidase, Horseradish actively involves in oxidizing reactive oxygen species, innate immunity, hormone biosynthesis and pathogenesis of several diseases .

CAS No.: 9003-99-0

In Vitro

H2O : 33.33 mg/mL (ultrasonic and warming and heat to 60°C)

Peroxidases belong to a large family of isoenzymes present in almost all living organisms. These are generally heme containing enzymes ranging in Mw from 35-100 Kd. Mammalian peroxidases are much larger proteins (576-738 amino acids) than the plant counterparts. Peroxidases exist as monomers, dimers or tetramers and their gene locations also vary among different chromosomes. Peroxidases have some organ, tissue, cellular and sub-cellular specific distribution patterns, performing some specific functions.

Product Information

Optimal pH: 6.0 - 7.0

Theoretical molecular weight: 44 kDa

Instructions

Dissolved in pure water (1 mg/mL). It is recommended to use freshly prepared products. Or it can be dissolved according to the buffer in the specific experimental reference (such as 0.1 M phosphate buffer, pH 6.0).

In Vivo

Add each solvent one by one: 0.1M Phosphate Buffer Solubility: 2 mg/mL (Infinity mM); Clear solution; Need ultrasonic

Product Info

Amount : 10 mg / 1 mg

Storage condition : Please store the product under the recommended conditions in the Certificate of Analysis