

peroxidase

Cat. No. EXWM-0509

Lot. No. (See product label)

Introduction

Description Heme proteins with histidine as proximal ligand. The iron in the resting enzyme is Fe(III). They also peroxidize non-phenolic substrates such as 3,3',5,5'-tetramethylbenzidine (TMB) and 2,2'-azinobis(3-ethylbenzthiazoline-6-sulfonic acid) (ABTS). Certain peroxidases (e.g. lactoperoxidase, SBP) oxidize bromide, iodide and thiocyanate.

Synonyms lactoperoxidase; guaiacol peroxidase; plant peroxidase; Japanese radish peroxidase; horseradish peroxidase (HRP); soybean peroxidase (SBP); extensin peroxidase; heme peroxidase; oxypoxidase; protoheme peroxidase; pyrocatechol peroxidase; scopoletin peroxidase; Coprinus cinereus peroxidase; Arthromyces ramosus peroxidase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.11.1.7

CAS No. 9003-99-0

Reaction 2 phenolic donor + H₂O₂ = 2 phenoxy radical of the donor + 2 H₂O

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.