

Native Horseradish Peroxidase

The enzyme horseradish peroxidase (HRP), found in the roots of horseradish, is used extensively in biochemistry applications.

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Product Overview

Horseradish Peroxidase (HRP) is a hemoprotein catalyzing the oxidation by hydrogen peroxide of a number of substrates such as ascorbate, ferrocyanide, cytochrome c, and the leuco form of many dyes. It produces a colored, fluorimetric, or luminescent derivative of the labeled molecule when incubated with a proper substrate, allowing it to be detected and quantified. HRP is often used in conjugates (molecules that have been joined genetically or chemically) to determine the presence of molecular targets.

Product Information

Product Name	Native Horseradish Peroxidase	Source	Horseradish roots
Cat. No.	NATE-0550	Form	Freeze-dried powder
Activity	315 U/mg solid	Stability	Stable at -20°C
Specific Activity	350 U/mg protein	Contaminant	Phosphatase <0.0001%
RZ Value	3.2	Solubility	Soluble in distilled water or diluted buffer
Protein	90%		

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