

Horseradish Peroxidase

Item Number	rAP-1336
Synonyms	Horseradish Peroxidase, HRP, EC 1.11.1.7.
Description	HRP consists of the basic isoenzyme having a molecular weight of 44 kDa. The Horseradish Peroxidase is purified by affinity chromatography, which results in an enzyme of high specific activity and purity.
Uniprot Accession Number	
Amino Acid Sequence	
Source	Root extracts of horseradish.
Physical Appearance and Stability	Sterile Filtered red-brown lyophilized powder. Lyophilized HRP although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HRP should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	(A403/A275) = RZ: 3.5.
Application	
Solubility	It is recommended to reconstitute the lyophilized HRP in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml or more than 10 mg/ml solutions.
Biological Activity	Greater than 268 U/mg (25°C, guaiacol as the hydrogen donor, pH-7 and H ₂ O ₂ as substrates).
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**