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Horseradish Peroxidase, High Purity

Catalog No.	CSI14983 CSI14984	**Quantity:**	125 mg 1 g

Alternate Names: Peroxidase, HRP, EC 1.11.1.7

Description: Horseradish peroxidase is also highly used in techniques such as Western blotting and ELISA an enzymatic label, coupled to antibodies, lectins or haptens. Coupling may be performed through the carbohydrate side chains of the HRP.
This Horseradish Peroxidase product is purified by affinity chromatography, which results in an enzyme of high specific activity and purity.

Physical Appearance: Red-brown powder

EC Number: 1.11.1.7

Source: Root extracts of horseradish.

Molecular Weight: 44 kDa

Purity: RZ (E403/E275) > 3.0, lot specific
95% (biuret)
>90% isoenzyme C, pI >8.0

Purification: Affinity chromatography

Specific Activity: > 300 U/mg, lot specific

Unit Definition: 1 unit = amount of enzyme which catalyzes the production of 1 mg of purpurogallin from pyrogallol in 20 seconds at 20°C and pH 6.0
1 unit = 0.5 Guiacol unit

Reconstitution: It is recommended to reconstitute lyophilized HRP in sterile water or 0.1 M potassium phosphate buffer, pH 6.0 at 0.1- 5.0 mg/ml.

Storage & Stability: Lyophilized HRP although stable at room temperature for up to 2 weeks, is stable for at least 1 year desiccated (vacuum and silica gel) below -20°C. Upon reconstitution HRP may be stored at 2-8°C for 1 week, or in working aliquots at -20°C to -80°C.
Avoid repeated freeze/thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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