

**Peroxidase from Horseradish, Grade III, Activity: >180U/mg**

**Product Code:** 174662

**EC: 1.11.1.7**

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**SKU:** 174662

**Category:** [Enzymes](#)

## PRODUCT DESCRIPTION

### SPECIFICATIONS

#### EC 1.11.1.7

Product name: Donor:hydrogen-peroxidase oxidoreductase

Appearance: Reddish brown amorphous powder lyophilized

Activity: Grade III, 110 Purpurogallin U/mg-solid or more  
(RZ $\geq$  2.0, containing approx. 30% of stabilizers)

Stability: Stable at  $\pm$ 20°C for at least 12 months

Molecular weight: approx. 40,000

Structure: Glycoprotein with one mole of protohaemin IX

Inhibitors: Cyanide, sulfide, fluoride, azide

Optimum pH: 6.0 $\pm$ 7.0

Optimum temperature; 45 °C

pH Stability: pH 5.0 $\pm$ 10.0 (25 °C, 20hr)

Thermal stability: below 50 °C (pH 6.0, 10min)