

Product:	PEROXIDASE
Product code:	HRP4B
E.C. number:	1.11.1.7
CAS number:	9003-99-0
EINECS number:	232-668-6
Systematic name:	Donor:hydrogen-peroxide oxidoreductase
Source:	Horseradish
Form:	A freeze-dried material
Storage conditions:	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.
Unit definition:	That amount of enzyme that will catalyse the production of 1mg of purpurogallin from pyrogallol in 20 seconds at 20°C and pH 6.0.
Activity:	Not less than 250U/mg material
RZ (E₄₀₃/E₂₇₅):	Greater than 3.0
Isoenzyme 'C' content:	Approx 90% (Shannon et al (1966) <i>J. Biol. Chem.</i> <u>241</u> 2166.)
Solubility:	Dissolves readily at 5mg/ml in 0.1M Potassium phosphate buffer, pH 6.0, to give a clear solution.