

Bioactive

Acid phosphatase (Wheat Germ)

Catalog # P5207 Size 1 g

Specification

Product Description	Lyophilized. Partially purified. Also active as a lipase.
Biological function	Acid phosphatase is an esterase with broad activity at an optimal pH below 7.0. There are three isozymes, EI, EII, and EIII of similar molecular weight (55 kDa \pm 5 kDa). Their optimum pH's are 5.5, 4.5, and 4.0 respectively.
Host	Plants
Theoretical MW (kDa)	50~60
Form	Lyophilized
Preparation Method	Native protein partially purified from Wheat Germ to the 0.35-0.55 fraction by the method described by Singer, J. Biol. Chem., 174, 11 (1948)
Activity	\geq 0.15 units per mg dry weight. One Unit hydrolyzes one micromole of o-carboxyphenyl phosphate per minute at 25°C, pH 5.0.
Recommend Usage	Acid Phosphatase Assay
Storage Instruction	Store at -20°C.

Applications

- Enzyme Activity