

Active Native Wheat Germ Acid phosphatase Protein

Cat. No. Acid phosphatase-158 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Lyophilized. Partially purified. Also active as a lipase. 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).
Species	Wheat Germ
Source	Wheat Germ
Description	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.
Form	Lyophilized
Bio-activity	≥ 0.15 units per mg dry weight. One Unit hydrolyzes one micromole of o-carboxyphenyl phosphate per minute at 25°C, pH 5.0.
Molecular Mass	50~60 kDa
Applications	Enzyme Activity
Usage	Acid Phosphatase Assay
Storage	Store at -20 centigrade.

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GENE INFORMATION

Official Symbol	Acid phosphatase
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