

Active Native Porcine Kidney Alkaline Phosphatase

Cat. No. ALP-151P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified native Porcine Kidney Alkaline Phosphatase. CAS Number: 9001-78-9; E.C. Number: 3.1.3.1
Species	Pig
Source	Porcine Kidney
Description	Alkaline Phosphatase is a hydrolase enzyme responsible for removing phosphate groups in the 5- and 3- positions from many types of molecules, including nucleotides, proteins, and alkaloids. In humans, alkaline phosphatase is present in all tissues throughout the entire body, but is particularly concentrated in liver, bile duct, kidney, bone, and the placenta. The optimal pH for the enzyme activity is 10.0 in standard conditions
Form	Lyophilized from tris chloride
Bio-activity	>100 U/mg protein
Purity	>95% (SDS-PAGE)
Unit Definition	One unit catalyzes the hydrolysis of one micromole of p-nitrophenyl phosphate per minute at 37C and pH 10.35 in the presence of 2-amino-2-methyl-1-propanol.
Storage	2-8 centigrade.

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Concentration	>0.5 mg/mg (Coomassie)
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