ALP
Native Porcine Alkaline Phosphatase

Catalog No.	CSI10375A CSI10375B	**Quantity:**	5 kU 10 kU

Alternate Names: ALP, Orthophosphoric-Monoester Phosphohydrolase

Description: Alkaline phosphatase (ALP) 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, ALP 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 ALP enzyme activity is pH 10 in standard conditions.

Alkaline phosphatase is used in laboratory tests to diagnose liver disease or monitor its course. An alkaline phosphatase (ALP) test may also be used to evaluate the liver when medications are taken that can damage the liver. Alkaline phosphatase (ALP) levels can be used to monitor the effectiveness of treatment for Paget's disease.

Source: Porcine Kidney

Formulation: Lyophilized

Biological Activity: Typically >35 u/mg powder at 37°C.
Porcine (pig) Alkaline Phosphatase (ALP) UNIT DEFINITION: One unit will convert one micromole of p-nitrophenyl phosphate to p-nitrophenol and phosphate per minute at 37C in the presence of AMP (2-amino-2-methyl-1-propanol) at ph 10.35.

Storage & Stability: Stable for one year at -20°C.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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