

## Native Calf Alkaline Phosphatase

### Product Information

<b>Cat#</b>	NATE-0054
<b>Abbr</b>	ALP, Native (Calf)
<b>Alias</b>	ALP; ALKP
<b>Similar</b>	ALP
<b>Species</b>	Calf
<b>Source</b>	Calf intestine
<b>Description</b>	Alkaline phosphatase (ALP, ALKP, ALPase, Alk Phos) (EC 3.1.3.1) is a hydrolase enzyme responsible for removing phosphate groups from many types of molecules, including nucleotides, proteins, and alkaloids. The process of removing the phosphate group is called dephosphorylation. As the name suggests, alkaline phosphatases are most effective in an alkaline environment. It is sometimes used synonymously as basic phosphatase.
<b>Form</b>	Freeze dried powder
<b>Enzyme Commission Number</b>	EC 3.1.3.1
<b>Activity</b>	> 2,000 units/mg protein
<b>CAS No.</b>	9001-78-9
<b>Concentration</b>	20mg/ml
<b>Unit Definition</b>	One Unit hydrolyzes 1µmole of p-nitrophenol phosphate per minute at 37°C, pH 9.8.
<b>Storage</b>	2-8°C
<b>Synonyms</b>	Alkaline phosphatase; ALP; ALKP; ALPase; Alk Phos; EC 3.1.3.1; Alkaline phosphomonoesterase; Glycerophosphatase; Phosphomonoesterase