

Native Calf Alkaline Phosphatase

Product Information

Cat#	NATE-0054
Abbr	ALP, Native (Calf)
Alias	ALP; ALKP
Similar	ALP
Species	Calf
Source	Calf intestine
Description	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.
Form	Freeze dried powder
Enzyme Commission Number	EC 3.1.3.1
Activity	> 2,000 units/mg protein
CAS No.	9001-78-9
Concentration	20mg/ml
Unit Definition	One Unit hydrolyzes 1μmole of p-nitrophenol phosphate per minute at 37°C, pH 9.8.
Storage	2-8°C
Synonyms	Alkaline phosphatase; ALP; ALKP; ALPase; Alk Phos; EC 3.1.3.1; Alkaline phosphomonoesterase; Glycerophosphatase; Phosphomonoesterase