

Native Porcine Alkaline Phosphatase Activity

Cat. No. ALPA-1184P Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Porcine ALPA was expressed in Porcine Kidney.
Species	Porcine
Source	Porcine Kidney
Description	ALPA 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, ALPA 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.
Form	Lyophilized
Biological Activity	Typically >35 u/mg powder at 37°C. Porcine (pig) ALPA UNIT DEFINITION: One unit will convert one micromole of p-nitrophenyl phosphate to p-nitrophenol and phosphate per minute at 37°C in the presence of AMP (2-amino-2-methyl-1-propanol) at pH 10.35.
Storage	Stable for one year at -20°C.

GENE INFORMATION

Gene Name	ALPA Alkaline phosphatase activity [<i>Sus scrofa</i>]
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Official Symbol	ALPA
Synonyms	ALPA;Alkaline phosphatase activity
Gene ID	100326352
Chromosome Location	194.3-122.6 cM

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