

Native Sweet Potato Non-Prostatic Acid Phosphatase

Product Information

Cat#	NATE-0025
Abbr	ACP, Native (Sweet Potato)
Alias	ACP
Similar	Apase
Source	Sweet Potato
Description	Acid phosphatase is a phosphatase, a type of enzyme, used to free attached phosphoryl groups from other molecules during digestion. It can be further classified as a phosphomonoesterase. Acid phosphatase is stored in lysosomes and functions when these fuse with endosomes, which are acidified while they function; therefore, it has an acid pH optimum. This enzyme is present in many animal and plant species. Different forms of acid phosphatase are found in different organs, and their serum levels are used to evaluate the success of the surgical treatment of prostate cancer. In the past, they were also used to diagnose this type of cancer.
Form	Lyophilized
Enzyme Commission Number	EC 3.1.3.2
Activity	> 30 U/mg solid
CAS No.	9001-77-8
Molecular Weight	110 kDa
Purity	Purified
Unit Definition	One unit will catalyze the hydrolysis of one micromole of p-nitrophenylphosphate to p-nitrophenol and phosphate per minute at pH 4.8 and 37°C.
Storage	2-8°C
Synonyms	Acid Phosphatase; acid phosphomonoesterase; phosphomonoesterase;



Creative Enzymes

Diagnostic Enzymes

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glycerophosphatase; acid monophosphatase; acid phosphohydrolase; acid phosphomonoester hydrolase; uteroferrin; acid nucleoside diphosphate phosphatase; orthophosphoric-monoester phosphohydrolase (acid optimum); EC 3.1.3.2; ACP
