

## ALP

### Native Human Alkaline Phosphatase

<b>Catalog No.</b>	CSI10374A	<b>Quantity:</b>	25 U
	CSI10374B		100 U

**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, alkaline phosphatase 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 the enzyme activity is pH=10 in standard conditions.

**Source:** Human Placenta

**Formulation:** Lyophilized

**Biological Activity:** Typically >10 u/mg at 37°C.  
Human Alkaline Phosphatase (ALP) from human placenta 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 & Stability:** Stable for one year at -20°C.

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

