

# Native Human Liver Alkaline Phosphatase

Cat. No. ALPL-8004H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human Liver Alkaline Phosphatase was purified from Human Liver.
<b>Species</b>	Human
<b>Source</b>	Human Liver
<b>Description</b>	Human 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 human(s), 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.
<b>Form</b>	Ammonium Sulfate Suspension
<b>Stability</b>	1 year
<b>Storage</b>	2-8 °C
<b>Concentration</b>	Typically >5 mg Protein/mL

## GENE INFORMATION

**Gene Name** ALPL alkaline phosphatase, liver/bone/kidney [ Homo sapiens ]

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<b>Official Symbol</b>	ALPL
<b>Synonyms</b>	ALPL; alkaline phosphatase, liver/bone/kidney; HOPS; alkaline phosphatase, tissue-nonspecific isozyme; TNSALP; glycerophosphatase; tissue-nonspecific ALP; alkaline phosphomonoesterase; liver/bone/kidney-type alkaline phosphatase; alkaline phosphatase live
<b>Gene ID</b>	<a href="#">249</a>
<b>mRNA Refseq</b>	<a href="#">NM_000478</a>
<b>Protein Refseq</b>	<a href="#">NP_000469</a>
<b>MIM</b>	<a href="#">171760</a>
<b>UniProt ID</b>	<a href="#">P05186</a>
<b>Chromosome Location</b>	1p36.12
<b>Pathway</b>	Endochondral Ossification, organism-specific biosystem; Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
<b>Function</b>	alkaline phosphatase activity; hydrolase activity; metal ion binding;

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