

## Active Recombinant Human ALPI Protein, Fc-tagged

**Cat. No.** ALPI-513H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mature form of human ALPI (P09923) (Met 1-Asp 503), without the pro peptide, was fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-503 a.a.
<b>Predicted N Terminal</b>	Val 20
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl phosphate (4-MUP). The specific activity is >10,000 pmoles/min/μg.
<b>Molecular Mass</b>	The secreted recombinant human ALPI/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 725 amino acids and has a predicted molecular mass of 79.5 kDa. The apparent molecular mass of rhALPI /Fc monomer is approximately 90-95 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method.
<b>Purity</b>	>83 % as determined by SDS-PAGE.

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<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	ALPI alkaline phosphatase, intestinal [ <a href="#">Homo sapiens</a> ]
<b>Official Symbol</b>	<a href="#">ALPI</a>
<b>Synonyms</b>	ALPI; alkaline phosphatase, intestinal; intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase; IAP;
<b>Gene ID</b>	<a href="#">248</a>
<b>mRNA Refseq</b>	<a href="#">NM_001631</a>
<b>Protein Refseq</b>	<a href="#">NP_001622</a>
<b>MIM</b>	<a href="#">171740</a>
<b>UniProt ID</b>	<a href="#">P09923</a>
<b>Chromosome Location</b>	2q37.1

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**Pathway**

Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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