

Active Recombinant Human ALPI Protein, His-tagged

Cat. No. ALPI-514H Lot. No. (See product label)

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
Protein Length	1-503 a.a.
Predicted N Terminal	Val 20
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl phosphate (4-MUP). The specific activity is >1,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant human ALPI consists of 495 amino acids and has a predicted molecular mass of 54 kDa. The apparent molecular mass of rhALPI is approximately 66 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage 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.

Reconstitution 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

Gene Name [ALPI alkaline phosphatase, intestinal \[Homo sapiens \]](#)

Official Symbol [ALPI](#)

Synonyms ALPI; alkaline phosphatase, intestinal; intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase; IAP;

Gene ID [248](#)

mRNA Refseq [NM_001631](#)

Protein Refseq [NP_001622](#)

MIM [171740](#)

UniProt ID [P09923](#)

Chromosome Location 2q37.1

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

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