

Active Recombinant Human ALPI Protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human ALPI Protein(P09923) (Met 1-Asp 503),without the pro peptide, was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-503 aa
Form	Lyophilized from sterile PBS, pH 7.4.
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.
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 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]
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Official Symbol	ALPI
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Synonyms	ALPI; alkaline phosphatase, intestinal; intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase; IAP;
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Gene ID	248
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mRNA Refseq	NM_001631
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Protein Refseq	NP_001622
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MIM	171740
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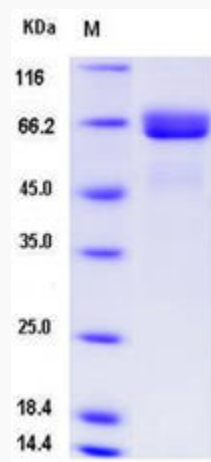
UniProt ID	P09923
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SDS-PAGE



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