

Recombinant Human ALPI Protein, His-tagged

Cat. No. ALPI-122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALPI Protein (Val20-Arg333) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val20-Arg333
Description	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme. This enzyme is a component of the gut mucosal defense system and is thought to function in the detoxification of lipopolysaccharide, and in the prevention of bacterial translocation in the gut.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.1 kDa Accurate Molecular Mass: 40 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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UniProt ID

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