

Recombinant Human ALPI protein, His-Flag-tagged

Cat. No. ALPI-4636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALPI protein(P09923)(Val20-Asp503), fused with N-terminal His-Flag tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Val20-Asp503
Tag	N-His-Flag
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Anti-Alkaline Phosphatase Antibody captured on CM5 Chip via Protein A can bind Human Alkaline phosphatase (Intestinal type) , His Tag with an affinity constant of 1.58 µM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 54.5 kDa. Due to glycosylation, the protein migrates to 63-73 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

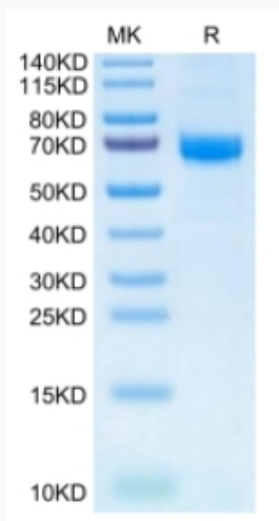
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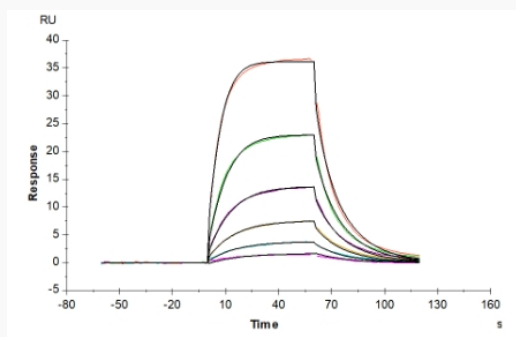
 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
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

Tris-Bis PAGE



SPR Data



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