

Synonym

IAP

Source

Human ALPI Protein, His Tag(ALI-H52H3) is expressed from human 293 cells (HEK293). It contains AA Val 20 - Asp 503 (Accession # [P09923-1](#)).

Predicted N-terminus: Val 20

Molecular Characterization

ALPI(Val 20 - Asp 503) P09923-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 54.3 kDa. The protein migrates as 60-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Supplied as 0.2 µm filtered solution in 20 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

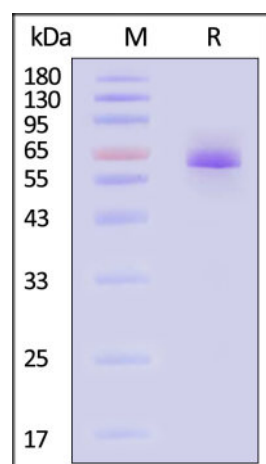
This product is supplied and shipped as sterile liquid solution with dry ice, please inquire the shipping cost.

Storage

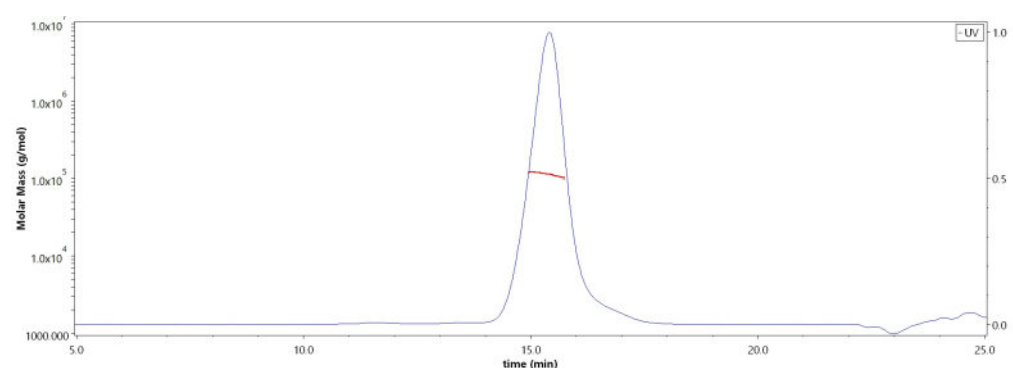
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

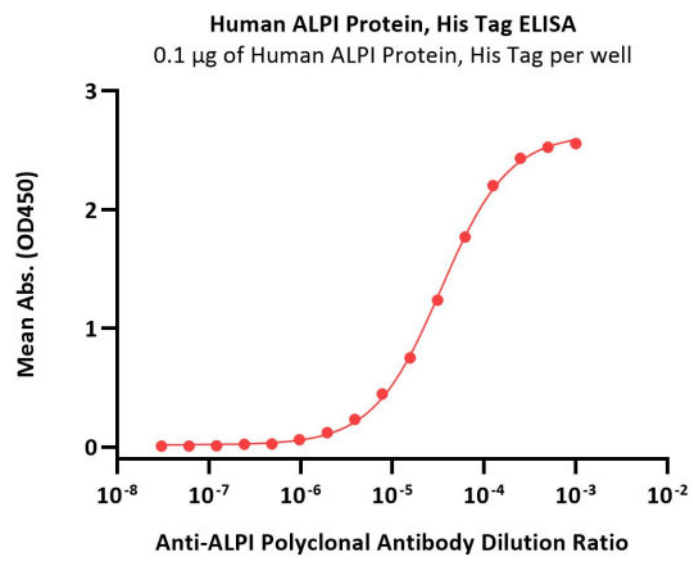
SDS-PAGE

Human ALPI Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA**SEC-MALS**

The purity of Human ALPI Protein, His Tag (Cat. No. ALI-H52H3) is more than 90% and the molecular weight of this protein is around 100-130 kDa verified by SEC-MALS.

[Report](#)



Immobilized Human ALPI Protein, His Tag (Cat. No. ALI-H52H3) at 1 µg/mL (100 µL/well) can bind various dilution ratio of Anti-ALPI Polyclonal Antibody (QC tested).

Background

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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.