PRODUCT INFORMATION

Target	ALPI
Synonyms	IAP
Description	Recombinant human ALPI Protein with C-terminal 10×His tag
Delivery	In Stock
Uniprot ID	P09923
Expression Host	HEK293
Tag	C-10×His tag
Molecular Characterization	ALPI(Val20-Asp503) 10×His tag
Molecular Weight	The protein has a predicted molecular mass of 53.8 kDa after removal of the signal peptide. The apparent molecular mass of ALPI-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
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. [provided by RefSeq, Dec 2014]
Usage	Research use only
Conjugate	Unconjugated

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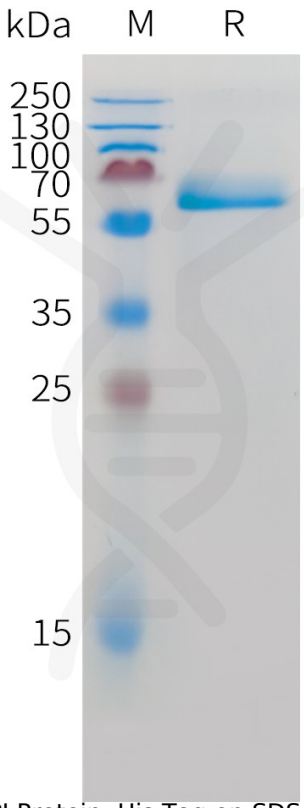


Figure 1. Human ALPI Protein, His Tag on SDS-PAGE under reducing condition.

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