

Datasheet for ABIN7597447

Intestinal Alkaline Phosphatase Protein (ALPI) (AA 20-503) (His tag)



[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	Intestinal Alkaline Phosphatase (ALPI)
Protein Characteristics:	AA 20-503
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Intestinal Alkaline Phosphatase protein is labelled with His tag.

Product Details

Purpose:	Recombinant human ALPI Protein with C-terminal 10xHis tag
Sequence:	ALPI(Val20-Asp503) 10xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Intestinal Alkaline Phosphatase (ALPI)
Alternative Name:	ALPI (ALPI Products)
Background:	<p>IAP</p> <p>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</p>

Target Details

	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]
Molecular Weight:	predicted molecular mass of 53.8 kDa after removal of the signal peptide. The apparent molecular mass of ALPI-His is 55-70 kDa due to glycosylation.
UniProt:	P09923

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	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.
Expiry Date:	12 months