Active Recombinant Monkey ALPI Protein, His-tagged

Cat. No. ALPI-10997M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus ALPI Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ile 20 - Thr 501 (Accession # A0A2K5VFX3). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ile 20. The protein is designed as a dimer.
Species	Monkey
Source	HEK293
ProteinLength	20-501 aa
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	Supplied as 0.2 μm filtered solution in 20 mM Tris, 150 mM NaCl, 20% Glycerol, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus ALPI Protein, His Tag at 5 μg/mL (100 μL/well) can bind various dilution ratio of Anti-ALPP/ALPG/ALPI Polyclonal Antibody.
Molecular Mass	The protein has a calculated MW of 54 kDa. The protein migrates as 65-80 kDa when

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	calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: The product MUST be stored at -70 centigrade or lower upon receipt; -70 centigrade for 3 months under sterile conditions. Please avoid repeated freeze-thaw cycles.
Concentration	0.2 mg/mL
Shipping	This product is supplied and shipped with dry ice, please inquire the shipping cost.

GENE INFORMATION

Gene Name	ALPI alkaline phosphatase, intestinal [Macaca fascicularis (crab-eating macaque)]
Official Symbol	ALPI
Synonyms	ALPI; alkaline phosphatase, intestinal; intestinal alkaline phosphatase; alkaline phosphatase 6; Akp6; gIAP; 2010001C14Rik;
Gene ID	102137375
mRNA Refseq	XM_065526451
Protein Refseq	XP_065382523
UniProt ID	A0A2K5VFX3

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