

Active Recombinant Mouse Alpi Protein, His-tagged

Cat. No. Alpi-10998M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse ALPI Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ile 20 - Pro 503 (Accession # Q0VD75). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ile 20. The protein is designed as a dimer.
Species	Mouse
Source	HEK293
ProteinLength	20-503 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 Mouse 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 54.2 kDa. The protein migrates as 65-80 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	when 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

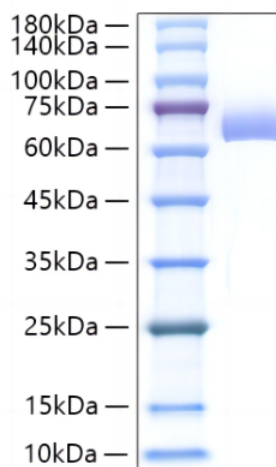
Gene Name	Alpi alkaline phosphatase, intestinal [<i>Mus musculus</i>]
Official Symbol	ALPI
Synonyms	ALPI; alkaline phosphatase, intestinal; intestinal alkaline phosphatase; alkaline phosphatase 6; Akp6; giAP; 2010001C14Rik;
Gene ID	76768
mRNA Refseq	NM_001081082
Protein Refseq	NP_001074551
UniProt ID	Q0VD75

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SDS-PAGE.



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