

# Recombinant Mouse Alkaline phosphatase (Intestinal type)/ALPI Protein

Catalog No.: RP02846 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Mouse   | 76768   | F8VPQ6     |

### Tags

C-His

### Synonyms

Alkaline phosphatase;Alpi

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by SDS-PAGE.

### Calculated MW Observed MW

52.85 kDa

60-75 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Alkaline phosphatase can be considered "our favorite enzyme" for reasons apparent to those who diagnose and treat metabolic bone diseases or who study skeletal biology. Few might know, however, that alkaline phosphatase likely represents the most frequently assayed enzyme in all of medicine. Elevated activity in the circulation is universally recognized as a marker for skeletal or hepatobiliary disease.

## Basic Information

### Description

Recombinant Mouse Alkaline phosphatase (Intestinal type)/ALPI Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile21-Gly501) of mouse Alkaline phosphatase (Accession #NP\_001074551.1) fused with a 6xHis tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

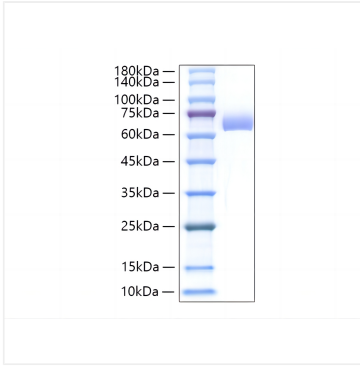
Avoid repeated freeze/thaw cycles.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Validation Data

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Recombinant Mouse Alkaline phosphatase (Intestinal type)/ALPI Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.