Recombinant Mouse Alkaline phosphatase (Intestinal type)/ALPI Protein

Catalog No.: RP02846

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Sequence Information

Species
Mouse

Gene ID
76768

Swiss Prot
F8VPQ6

Tags
C-His

Synonyms
Alkaline phosphatase,Alpi

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
52.85 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

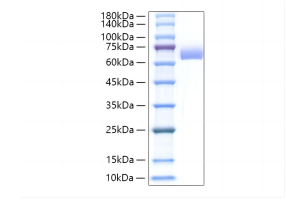
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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