

Recombinant Mouse Alkaline Phosphatase (Germ type) /ALPG Protein

Catalog No.: RP00680 Recombinant

Sequence Information

Species **Gene ID** **Swiss Prot**
Mouse 11650 P24823

Tags

C-6His

Synonyms

Alpg; Akp5; Alpp12; Eap; Alkaline phosphatase; germ cell type; EAP; Alkaline phosphatase 5

Background

Alkaline phosphatase that can hydrolyze various phosphate compounds

Basic Information

Description

Recombinant Mouse Alkaline Phosphatase (Germ type) /ALPG Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val19-Ser501) of Mouse Alkaline Phosphatase (Germ type) /ALPG (Accession #NP_031459.3) fused with His 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.

Product Information

Source **Purification**
HEK293 cells ≥ 90 % as
 determined by SDS-PAGE.

Calculated MW **Observed MW**
53.29 kDa 60-75 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

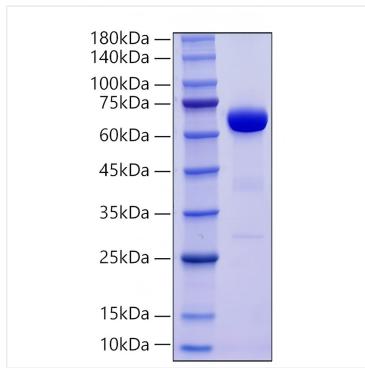
Reconstitution

Centrifuge the vial 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 freeze-thaw cycles.

Contact

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Validation Data



Recombinant Mouse Alkaline Phosphatase (Germ type) /ALPG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.