

Recombinant Mouse Parathormone/PTH Protein

Catalog No.: RP01578 **Recombinant**

Sequence Information

Species Mouse **Gene ID** 19226 **Swiss Prot** Q9Z0L6

Tags

No tag

Synonyms

Parathyroid Hormone; PTH;
Parathormone; Parathyrin;PTH

Background

Parathyroid hormone is the most important endocrine regulator of calcium and phosphorus concentration in extracellular fluid. This hormone is secreted from cells of the parathyroid glands and finds its major target cells in bone and kidney. Another hormone, parathyroid hormone-related protein, binds to the same receptor as parathyroid hormone and has major effects on development. Like most other protein hormones, parathyroid hormone is synthesized as a preprohormone. After intracellular processing, the mature hormone is packaged within the Golgi into secretory vesicles, the secreted into blood by exocytosis. Parathyroid hormone is secreted as a linear protein of 84 amino acids.

Basic Information

Description

Recombinant Mouse Parathormone/PTH Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Lys26-Gln115) of mouse Parathormone/PTH (Accession #NM_020623.2) fused with no additional amino acid.

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

E. coli **Purification**
≥ 95 % as
determined by SDS-PAGE.

Calculated MW

10.19 kDa

Observed MW

15-25 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.

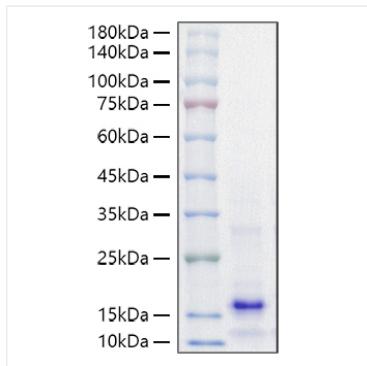
Reconstitution

Centrifuge the 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 Parathormone/PTH
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.