

RP01578

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Recombinant Mouse Parathormone/PTH Protein

Catalog No.: RP01578

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	19226	Q9Z0L6

Tags

No tag

Synonyms

Parathyroid Hormone; PTH;
Parathormone; Parathyrin; PTH

Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Endotoxin

<0.1EU/μg

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.

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 prehormone. After intracellular processing, the mature hormone is packaged within the Golgi into secretory vesicles, then 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 <i>E. coli</i> 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

Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

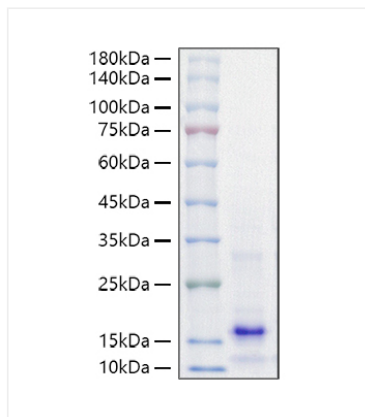
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse Parathormone/PTH
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 17kDa.