Recombinant Mouse Parathormone/PTH Protein

Catalog No.: RP01578

Sequence Information

Species
Mouse

Gene ID
19226

Swiss Prot
Q9Z0L6

Tags
No tag

Synonyms
Parathyroid Hormone, PTH, Parathormone, Parathyrin,PTH

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 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

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

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℃

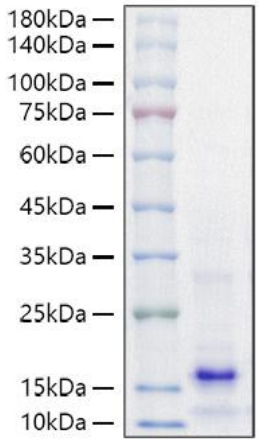
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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