

RP00477

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Recombinant Human Parathormone/PTH Protein

Catalog No.: RP00477

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	5741	P01270

Tags

No tag

Synonyms

PTH; PTH1; parathyroid hormone;PTH1

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 Human Parathormone/PTH Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser32-Gln115) of human PTH 1-84/Parathyroid hormone/Parathormone (Accession #P01270).

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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.

Product Information

Source

E. coli

Purification

> 95% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of 10mM HAc-NaAc, 150mM NaCl, 5% Mannitol, pH 4.0. Contact us for customized product form or formulation.

Reconstitution

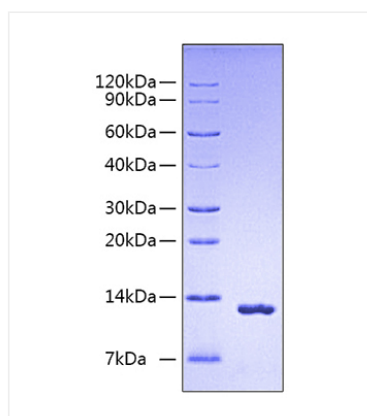
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Contact



www.abclonal.com

Validation Data



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