

## Recombinant Human PTH

Catalog # EPT146

**Expression Host** E.coli

**DESCRIPTION** Recombinant Human Parathyroid Hormone is

produced by our E.coli expression system and the

target gene encoding Ser32-Gln115 is expressed.

**Accession** P01270

**Synonyms** Parathyroid Hormone; PTH; Parathormone; Parathyrin

Mol Mass 9 KDa

**AP Mol Mass** 14 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing

SDS-PAGE.

**Endotoxin** Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

**FORMULATION** Lyophilized from a 0.2 µm filtered solution of 10mM

HAc-NaAc, 150mM NaCl, 5% Mannitol, pH 4.0.

**RECONSTITUTION** Always centrifuge tubes before opening.Do not mix by

vortex or pipetting.

It is not recommended to reconstitute to a



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concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**SHIPPING** 

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature

listed below.

**STORAGE** 

Lyophilized protein should be stored at < -20  $^{\circ}$  C,

though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C

for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°

C for 3 months.

**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

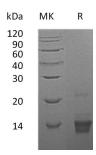
effects on development. Like most other protein

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.



**SDS-PAGE** 



+86-27-59760950