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## Recombinant Human Parathyroid Hormone/PTH Protein (1-84)

Catalog No. PKSH032854

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

## **Description**

**Synonyms** Parathyroid Hormone; PTH; Parathormone; Parathyrin; PTH1

**Species** Human E.coli **Expression Host** 

Ser32-Gln115 Sequence

Accession P01270 Calculated Molecular Weight 9.4 kDa Observed molecular weight 14 kDa Tag None

**Bioactivity** Not validated for activity

## **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 µm filtered solution of 10mM HAc-NaAc, 150mM NaCl,

5% Mannitol, pH 4.0.

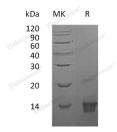
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

# Data



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## **Background**

Parathyroid hormone is the most important endocrine regulator of calcium and phosphorus concentration in extracellular

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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.

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