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## Datasheet for ABIN7318866

### PTH Protein

#### Overview

Quantity:	50 µg
Target:	PTH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### Product Details

Purpose:	Recombinant Human Parathyroid Hormone/PTH Protein (1-84)
Sequence:	Ser32-Gln115
Characteristics:	Recombinant Human Parathyroid Hormone is produced by our E.coli expression system and the target gene encoding Ser32-Gln115 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	PTH
Alternative Name:	Parathyroid Hormone/PTH ( <a href="#">PTH Products</a> )
Target Type:	Hormone
Background:	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,

## Target Details

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, the secreted into blood by exocytosis.

Parathyroid hormone is secreted as a linear protein of 84 amino acids.

Synonym: Parathyroid Hormone, PTH, Parathormone, Parathyrin,PTH1

Molecular Weight: 9.0 kDa

UniProt: [P01270](#)

Pathways: [cAMP Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 10 mM HAc-NaAc, 150 mM NaCl, 5 % Mannitol, pH 4.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.