



[Go to Product page](#)

Datasheet for ABIN988194
PTH Protein (AA 1-34)

Overview

Quantity:	100 µg
Target:	PTH
Protein Characteristics:	AA 1-34
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	SVSEIQLMHN LGKHLNSMER VEWLRKKLQD VHN
Characteristics:	Fully biologically active when compared to standard. The specific activity is determined by UMR106 cell/cAMP method, corresponding to a specific activity of $>, 1.0 \times 10^4$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuPTH1-34 as determined by LAL method

Target Details

Target:	PTH
Alternative Name:	Parathyroid Hormone(PTH) (PTH Products)
Target Type:	Hormone
Background:	Polypeptide hormones secreted by the parathyroid glands, which promote release of calcium from bone to extracellular fluid by activating osteoblasts and inhibiting osteoclasts, indirectly promote increased intestinal absorption of calcium, and promote renal tubular reabsorption of

Target Details

calcium and increased renal excretion of phosphates. It is a major regulator of bone metabolism. Secretion of parathyroid hormone increases when the level of calcium in the extracellular fluid is low. Its action is opposed by calcitonin. Synonym: Parathyroid Hormone 1-34 (PTH 1-34), Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.0, containing 4% mannitol.

Molecular Weight: 4117.8 Da, a single non-glycosylated polypeptide chain containing 34 amino acids.

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C