

DATASHEET

Version: 2016-08-18

Parathyroid Hormone (PTH) (1-34), Human**Cat. No.:** RP01001**Note:****Size:** 0.5 mg**Alias:** PTH 1-34**Description:**

Parathyroid Hormone (PTH) (1-34) (Human) is a highly purified peptide chemically synthesized by GenScript. 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. Parathyroid hormone accomplishes its job by stimulating at least three processes: mobilization of calcium from bone, enhancing absorption of calcium from the small intestine, suppression of calcium loss in urine. PTH (1-34) is a peptide fragment (34 amino acids) of the naturally occurring human parathyroid hormone that is an important regulator of calcium and phosphorus metabolism.

Cas No: 52232-67-4**Sequence (one-letter code):**

SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF

Sequence (three-letter code):

{SER}{VAL}{SER}{GLU}{ILE}{GLN}{LEU}{MET}{HIS}{ASN}{LEU}{GLY}{LYS}{HIS}{LEU}{ASN}{SER}{MET}{GLU}{ARG}{VAL}{GLU}{TRP}{LEU}{ARG}{LYS}{LYS}{LEU}{GLN}{ASP}{VAL}{HIS}{ASN}{PHE}

Solubility: Parathyroid Hormone (PTH) (1-34) (Human) is soluble in water.

Formula: C₁₈₁H₂₉₁N₅₅O₅₁S₂**Molecular Weight:** 4,117.74**Purity:** > 95%**Storage:**

Before using, store the peptide (PTH) in the DRY form at 4°C.

For best and repeatable results, rehydrate the peptide immediately before using. Do not re-freeze any unused portions.

*For Non-Clinical Research Use Only *

