

Rev01
Update: Dec,28,2022

DATASHEET

Parathyroid Hormone (PTH) (1-34), Human

Cat. No.: RP01001CN

Overview

Synonyms	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	{SER}{VAL}{SER}{GLU}{ILE}{GLN}{LEU}{MET}{HIS}{ASN}{LEU}{GLY}{LYS}{HIS}{LEU}{ASN}{SER}{MET}{GLU}{ARG}{VAL}{GLU}{TRP}{LEU}_x000D_{ARG}{LYS}{LYS}{LEU}{GLN}{ASP}{VAL}{HIS}{ASN}{PHE}
Sequence Shortening	SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF
Molecular Formula	C ₁₈₁ H ₂₉₁ N ₅₅ O ₅₁ S ₂
Molecular Weight	4117.74

Properties

Purity	> 95%
Solubility	Parathyroid Hormone (PTH) (1-34) (Human) is soluble in water.
Form	Lyophilized
Storage	Store at -20°C.