

Parathyroid Hormone Recombinant, E.coli

Cat.NO.: TP03290

3th Edition

Synonyms:PTH, PTH1.

Description:Human parathyroid hormone(hPTH) is an 84 amino acid residue peptide and one of the main regulators in maintenance of calcium homeostasis. It acts primarily on kidney and bone cells stimulating calcium back resorption or calcium mobilization, respectively. The whole mechanism is still under discussion, but low-dose hPTH triggers cyclic AMP-dependent protein kinase in some populations of bone cells bearing PTH receptors, which stimulates the proliferation of osteoblasts.

Form:Liquid. In phosphate-buffered Saline(pH 7.4) containing 2 mM EDTA.

Molecular Weight:9.55 kDa (85 aa), confirmed by MALDI-TOF

Sequences:

MSVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALGAPLAPRDAGSQRPRKKEDNVLVESHEKSLGEADKA
DVLNLTAKKSQ

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.