

Human PTH (1-84) Recombinant Protein



RPPB1297

Product Information Protein Information

Product SKU:

RPPB1297

Accession:

P01270

Host:

Escherichia Coli.

Protein description:

Parathyroid Hormone 1-84 (full length) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 84 amino acids, having an MW of ~9.4kDa. The PTH is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Parathyrin, PTH, Parathormone.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in PBS pH7.4.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Parathormone in sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Parathyrin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PTH should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

SVSEIQLMHN LGKHLNSMER VEWLRKKLQD VHNFVALGAP LAPRDAGSQR PRKKEDNVLV ESHEKSLGEA DKADVNVLTAKSQ.

Biological Activity:

The activity is calculated by its ability to induce cAMP accumulation in murine MC3T3E1 cells and is <50ng/ml, corresponding to a specific activity of greater than 2.0 x 10⁴ Units/mg.