

## Parathyroid Hormone (7-84) Human Recombinant

<b>Item Number</b>	rAP-2593
<b>Synonyms</b>	Parathyrin, PTH, Parathormone.
<b>Description</b>	PTH (7-84) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 76 amino acids, having an MW of 8.8kDa. The PTH (7-84) is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P01270
<b>Amino Acid Sequence</b>	LMHNLGKHLN SMERVEWLRK KLQDVHNFVA LGAPLAPRDA GSQRPRKKED NVLVESHEKS LGEAD-KADVN VLTKAKSQ.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized PTH (7-84) although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution PTH (7-84) should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized PTH (7-84) in sterile 18M <sup>-</sup> cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**