

Parathyroid Hormone (7-84) N15 Labeled Human Recombinant

Item Number	rAP-2594
Synonyms	Parathyrin, PTH, Parathormone.
Description	PTH (7-84) N15 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 78 amino acids and having a molecular mass of 8900 Dalton labeled by the stable isotope N15. The PTH (7-84) N15 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01270
Amino Acid Sequence	LMHNLGKHLN SMERVEWLRK KLQDVHNFVA LGAPLAPRDA GSQRPRKKED NVLVESHEKS LGEAD-KADVN VLTKAKSQ
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized PTH (7-84) N15 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PTH (7-84) N15 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.
Formulation and Purity	PTH (7-84) N15 protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized PTH (7-84) N15 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	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 ender users! This product is sold for **Research Use Only**