

Human PTH (7-34) Recombinant Protein



RPPB1301

Product Information Protein Information

Product SKU:

RPPB1301

Accession:

Q03431

Host:

Escherichia Coli.

Protein description:

Parathyroid Hormone Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 28 amino acids and having a molecular mass of 3380 Dalton. The PTH is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

PTH/PTHrP receptor antagonist, PTHrP analog, PTHR, MGC138426, MGC138452.

Formulation:

The protein (1 mg/ml) was lyophilized after extensive dialyses against 20mM PBS pH-7.0 and 150mM NaCl.

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 PTH 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:

LMHNLGKHLN SMERVEWLRK KLQDVHNF.

Biological Activity:

The activity calculated by UMR106 cell/cAMP method corresponding to a specific activity of 10,000 Units/mg.