

Product: Parathyroid Hormone (PTH) 1-84, human, recombinant
Catalog #: 12-4219
Amount: 50 µg

DESCRIPTION: Recombinant human Parathyroid Hormone (rHuPTH), 1-84, full length rHuPTH Recombinant Human full length PTH 1-84 has potential as an anti-osteoporotic agent, due to its properties as a bone formation stimulant, it increases bone turnover, stimulating osteoblasts and reducing both vertebral and non vertebral fractures. Recombinant Human full length PTH 1-84 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 84 amino.

SOURCE: *Escherichia coli*

PURITY: > 98%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: < 0.1 ng/µg (IEU/µg) of rHuPTH

DIMERS & AGGREGATES: < 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of HuPTH as a Reference Standard

FORM: Purified, in 50µg Mannitol and 20mM PBS, pH 7.0, containing 0.1 % BSA

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuPTH 1-84 is fully biologically active when compared to standards. The activity calculated by UMR106 cell/cAMP method corresponding to a specific activity of 1.0×10^4 Units/mg.

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