

**TECHNICAL DATA SHEET**

**Recombinant Human PTHrp (Carrier-Free)**

Catalog Number: 21-9004

**RPx-Pro™ Recombinant Protein**  
**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human PTHrp (Carrier-Free)

**DESCRIPTION**

PTHrP is a polypeptide hormone produced by almost every tissue of the body. PTHrP is closely related to parathyroid hormone (PTH), which is secreted from the parathyroid gland, and plays a central role in regulating the extracellular concentrations of calcium and phosphorous.

**MOLECULAR MASS**

Recombinant Human PTHrP is a 9.8 kDa linear polypeptide of 86 amino acid residues.

**AMINO ACID SEQUENCE**

AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFV SDDEGRYLTQ ETNKVETYKE QPLKTP

**SOURCE**

E.coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Human

**BIOACTIVITY**

Data not available at this time.

**RESEARCH AREAS**

Angiogenesis/Cardiovascular, Bones, Skeletal, Cartilage, Apoptosis

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Macchiarini, P. Clinical transplantation of a tissue-engineered airway. 2008. Lancet; 372(9655):2023-30. Silvestris, F, Negative regulation of the osteoblast function in multiple myeloma through the repressor gene E4BP4 activated by malignant plasma cells. 2008. Clinical Cancer Research; 14(19):6081-91. Pivetta, E. MMP-13 stimulates osteoclast differentiation and activation in tumour breast bone metastases.2011. Breast Cancer Research: BCR; 13(5):R105

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