

Certificate of Analysis (CoA)

Recombinant Human PTHrP

Catalog# 100-09

Lot# 0619267

Expiration Date: December 2024

Source: *E.coli*

Synonyms: Parathyroid Hormone-related Protein

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

Sequence: AVSEHQLLHD KGKSIQDLRR RFFLHHLIAE IHTAEIRATS EVSPNSKPSP NTKNHPVRFV SDDEGRYLTQ ETNKVETYKE QPLKTP

Storage & Handling:

Reconstitution: Centrifuge vial prior to opening. Reconstitute in water to 0.1-1.0 mg/ml. Do not vortex. Store at 2°C to 8°C for 1 week, or prepare for extended storage.

Extended Storage: Follow reconstitution with further dilution in a buffer containing a carrier protein (example 0.1% BSA). Store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

Storage/Stability:

Product Form	Temperature	Storage Time
Lyophilized	-20° to -80°C	December 2024
Lyophilized	4°C	6 months
Lyophilized	Room Temperature	1 month
Reconstituted	2°C to 8°C	1 week
Extended Storage	-20° to -80°C	3 months

Specifications:

Formulation: Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.

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

Purity: ≥ 98% by SDS-PAGE gel and HPLC analyses.

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

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

Biological Activity: Not available.



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Usage: Not for human use.

Country of Origin: USA

Quality Assurance Representative