

Rev04
Update: Mar,01,2022

DATASHEET

PTH (7-34aa), Human

Cat. No.: Z02793

Product Introduction

Species	Human
Protein Construction	PTH (Leu38-Phe65) Accession # P01270
Purity	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
Endotoxin Level	< 1 EU/μg of protein by LAL method
Biological Activity	Fully biologically active when compared to standard. The specific activity is determined by UMR106 cell/cAMP method, corresponding to a specific activity of $> 1.0 \times 10^4$ IU/mg.
Expression System	E. coli
Theoretical Molecular Weight	3.4 kDa
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Polypeptide hormones secreted by the parathyroid glands, which promote release of calcium from bone to extracellular fluid by activating osteoblasts and inhibiting osteoclasts, indirectly promote increased intestinal absorption of calcium, and promote renal tubular reabsorption of calcium and increased renal excretion of phosphates. It is a major regulator of bone metabolism. Secretion of parathyroid hormone increases when the level of calcium in the extracellular fluid is low. Its action is opposed by calcitonin.

Synonyms : Parathyroid Hormone

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.