

Human Parathyroid Hormone Reference standard

Cat. No. PTH-191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Enzyme Unit	By definition, each ampoule contains 0.100 INTERNATIONAL UNITS of hPTH (i.e. 100 MILLI-INTERNATIONAL UNITS).
Usage	For all practical purposes, each ampoule of the IRP contains the same quantity of the above substances. Dissolve the total contents of the ampoule in a known quantity of a suitable buffer containing 0.2% crystalline albumin, free of protease activity (Caygill, 1977), to minimize the loss of peptide by surface adsorption. No attempt should be made to weigh out any portion of the freeze dried material as it cannot be assumed that the parathyroid hormone is distributed homogeneously in the freeze dried plug. For economy in use, particularly in immunoassay, aliquots of a stock solution may be frozen rapidly in dry ice and stored at -40 °C for several months. The diluent used for preparation of a stock solution and the stability of such aliquots should be carefully assessed within the assay system in which they are to be used.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. However, as with all preparations of human origin, this material cannot be assumed to be free from infectious agents. The container and its contents should be used and discarded according to your own laboratory procedures. Such procedures probably will include the wearing of protective gloves and avoiding the generation of

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aerosols. Care should be exercised in opening the container to avoid cuts.

Storage

Unopened ampoules should be stored at -20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name

PTH parathyroid hormone [Homo sapiens];

Official Symbol

PTH

Synonyms

PTH1; parathyroid hormone; parathyrin; prepro-PTH; parathormone; parathyroid hormone 1; preproparathyroid hormone

Gene ID

5741

mRNA Refseq

NM_000315

Protein Refseq

NP_000306

MIM

168450

UniProt ID

P01270

Chromosome Location

11p15.3-p15.1

Pathway

Class B/2 (Secretin family receptors), organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem

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Function

RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; peptide hormone receptor binding; type 1 parathyroid hormone receptor binding

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