

Bovine Parathyroid Hormone Reference standard

Cat. No. PTH-68B **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Bovine

Enzyme Unit Each ampoule of the standard contains 39 International Units (by definition).

Usage

For all practical purposes, each ampoule of the IS contains the same quantity of the substances listed above. Dissolve the total contents of the ampoule in a known volume of a suitable solvent (buffer at pH 3.5 or less, with carrier protein where extensive dilution is required. No attempt should be made to weigh out any portion of the freeze-dried material. For economy in use, it is recommended that the solution be sub-divided into several small containers and stored at -40°C or below. Careful evaluation of conditions and duration of storage are required. The ampoules do not contain bacteriostat and solution of the IS should not be assumed to be sterile.

Notes

This preparation is not for administration to humans. The material is of bovine origin. The material is certified to be obtained from animals taken from a closed herd in the female line since 1980, in which no animal has been clinically suspected of having BSE & which has not been fed rations containing ruminant derived protein during that period. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [Bos taurus];

Official Symbol PTH

Synonyms parathyroid hormone; parathyrin

Gene ID 280903

mRNA Refseq NM_173954

Protein Refseq NP_776379

UniProt ID P01268

Chromosome Location 15q22-q27

Pathway Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; Osteoblast, organism-specific biosystem

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA