

Product datasheet

Recombinant Human Parathyroid Hormone protein ab51234

[2 Images](#)

Overview

Product name	Recombinant Human Parathyroid Hormone protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P01270
Species	Human
Sequence	MSVSEIQLMH NLGKHLNSME RVEWLRKKLQ DVHNFVALGA PLAPRDAGSQ RPRKKEDNVL VESHEKSLGE ADKADVNVLT KAKSQ
Amino acids	32 to 115

Specifications

Our [Abpromise guarantee](#) covers the use of **ab51234** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot SDS-PAGE
Purity	> 95 % SDS-PAGE. Human Parathyroid Hormone(amino acids 1-84) was overexpressed in <i>E. coli</i> and purified to apparent homogeneity by using conventional column chromatography techniques.
Form	Liquid

Preparation and Storage

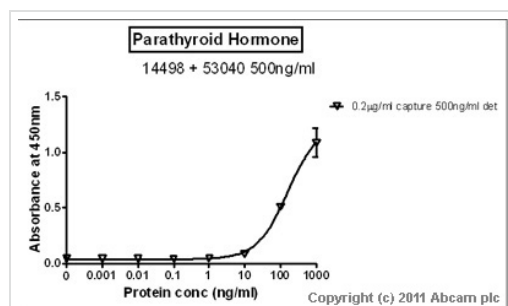
Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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pH: 7.40
Constituents: PBS, 0.0584% EDTA

General Info

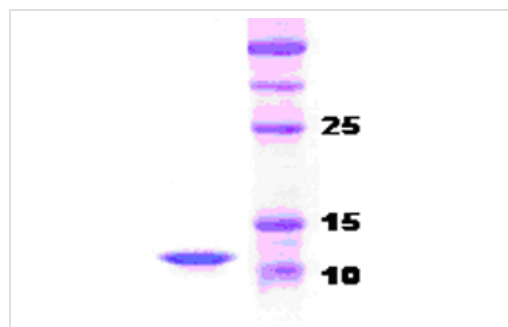
Function	PTH elevates calcium level by dissolving the salts in bone and preventing their renal excretion. Stimulates [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblastic cells.
Involvement in disease	Defects in PTH are a cause of familial isolated hypoparathyroidism (FIH) [MIM:146200]; also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.
Sequence similarities	Belongs to the parathyroid hormone family.
Cellular localization	Secreted.

Images



Standard curve for Parathyroid Hormone (Analyte: [ab51234](#)); dilution range 1pg/ml to 1µg/ml using Capture Antibody [Mouse monoclonal \[A1/70\] to Parathyroid Hormone \(ab14493\)](#) at 0.2µg/ml and Detector Antibody [Rabbit polyclonal to Parathyroid Hormone \(ab53040\)](#) at 0.5µg/ml.

Sandwich ELISA - Recombinant Human Parathyroid Hormone protein ([ab51234](#))



[ab51234](#) on 15%SDS-PAGE

SDS-PAGE - Recombinant Human Parathyroid Hormone protein ([ab51234](#))

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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