Parathormone Intact (PTH) ELISA Kit for Monkey

PRODUCT OVERVIEW

Product Name	Parathormone Intact (PTH), ELISA Kit
Full Product Name	Monkey Parathormone Intact ELISA Kit
Product Gene Name	PTH elisa kit
Species Reactivity	Monkey
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	12,861 Da
OMIM	146200
3D Structure	ModBase 3D Structure for P01270
Related Product Information for PTH elisa kit	MBS031605 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Parathormone Intact (PTH) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PTH. The ELISA analytical biochemical technique of the MBS031605 kit is based on PTH antibody-PTH antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PTH antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PTH. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PTH elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTH. It may not necessarily be applicable to this product.

NCBI GI #	131547
NCBI GeneID	5741
NCBI Accession #	P01270.1
UniProt Primary Accession #	P01270
UniProt Secondary Accession #	Q4VB48; Q9UD38
UniProt Related Accession #	P01270
NCBI Official Full Name	Parathyroid hormone
NCBI Official Synonym Full Names	parathyroid hormone
NCBI Official Symbol	PTH
NCBI Official Synonym Symbols	PTH1
UniProt Protein Name	Parathyroid hormone
UniProt Synonym Protein Names	Parathormone; Parathyrin
Protein Family	Parathyroid hormone

UniProt Gene Name	PTH
UniProt Synonym Gene Names	PTH
UniProt Entry Name	PTHY_HUMAN
NCBI Protein Information	parathyroid hormone; parathyrin; prepro-PTH; parathormone; parathyroid hormone 1; preproparathyroid hormone
NCBI Summary for PTH	The protein encoded by this gene is a hormone secreted by parathyroid cells. This hormone elevates blood Ca2+ level by dissolving the salts in bone and preventing their renal excretion. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH). [provided by RefSeq, Jul 2008]
UniProt Comments for PTH	PTH: 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. Defects in PTH are a cause of familial isolated hypoparathyroidism (FIH); 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. Belongs to the parathyroid hormone family. Protein type: Secreted; Hormone; Secreted, signal peptide; Apoptosis Chromosomal Location of Human Ortholog: 11p15.3-p15.1 Cellular Component: extracellular space; extracellular region Molecular Function: RNA polymerase II transcription factor activity, enhancer binding; type 1 parathyroid hormone receptor binding; parathyroid hormone receptor binding; peptide hormone receptor binding; hormone activity Biological Process: response to drug; transcription from RNA polymerase II promoter; positive regulation of signal transduction; induction of apoptosis by hormones; positive regulation of glycogen biosynthetic process; negative regulation of transcription from RNA polymerase II promoter; positive regulation of bone mineralization; G-protein signaling, adenylate cyclase activating pathway; Rho protein signal transduction; cellular calcium ion homeostasis; G-protein coupled receptor protein signaling pathway; positive regulation of glucose import; cAMP metabolic process; response to ethanol; response to cadmium ion; response to vitamin D; cell-cell signaling; regulation of gene expression; response to lead ion; positive regulation of cAMP biosynthetic process; positive regulation of transcription from RNA polymerase II promoter; skeletal development; bone resorption Disease: Hypoparathyroidism, Familial Isolated
Research Articles on PTH	**1.** Higher parathyroid hormone levels are associated with poor sleep quality in patients with end-stage renal disease.
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