Datasheet for ABIN7535923

PTH Protein

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Overview

Quantity:	100 µg
Target:	PTH
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse Parathormone/PTH Protein
Sequence:	KPVRKRAVSE IQLMHNLGKH LASMERMQWL RRKLQDMHNF VSLGVQMAAR DGSHQKPTKK EENVLVDGNP KSLGEGDKAD VDVLVKSKSQ
Specificity:	Lys26-Gln115
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	PTH
Alternative Name:	Parathormone/PTH (PTH Products)
Target Type:	Hormone
Background:	Description: Parathyroid hormone is the most important endocrine regulator of calcium and

Target Details

	phosphorus concentration inextracellular fluid. This hormone is secreted from cells of the parathyroid glands and finds its major target cellsin bone and kidney. Another hormone, parathyroid hormone-related protein, binds to the same receptor asparathyroid hormone and has major effects on development. Like most other protein hormones, parathyroidhormone is synthesized as a preprohormone. After intracellular processing, the mature hormone is packagedwithin the Golgi into secretory vesicles, the secreted into blood by exocytosis. Parathyroid hormone is secretedas a linear protein of 84 amino acids. Name: Parathyroid Hormone, PTH, Parathormone, Parathyrin,PTH
Gene ID:	19226
UniProt:	Q9Z0L6
Pathways:	cAMP Metabolic Process, Regulation of Carbohydrate Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.