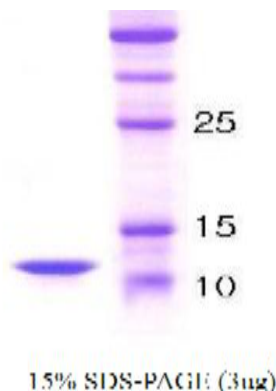


## PTH

### Recombinant Human Parathyroid Hormone

<b>Catalog No.</b>	CSI15647A CSI15647B	<b>Quantity:</b>	100 µg 500 µg
<b>Alternate Names:</b>	PTH1, parathormone, parathyrin, parathyroid hormone 1		
<b>Description:</b>	Human parathyroid hormone (hPTH) is an 84 amino acid residue peptide and one of the main regulators in maintenance of calcium homeostasis. It acts primarily on kidney and bone cells stimulating calcium back resorption or calcium mobilization, respectively. The whole mechanism is still under discussion, but low-dose hPTH triggers cyclic AMP-dependent protein kinase in some populations of bone cells bearing PTH receptors, which stimulates the proliferation of osteoblasts. 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.		
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)		
<b>GeneID:</b>	5741		
<b>Protein Accession No:</b>	NP_000306		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	9.55 kDa (85 aa), confirmed by MALDI-TOF.		
<b>Formulation:</b>	Liquid. In phosphate-buffered Saline(PBS), 2mM EDTA, pH7.4		
<b>Purity:</b>	> 95% by SDS - PAGE		
<b>Amino Acid Sequence:</b>	MSVSEIQLMH NLGKHLNSME RVEWLRKKLQ DVHNFVALGA PLAPRDAGSQ RPRKKEDNVLT VESHEKSLGE ADKADVNVLTKAKSQ		
<b>Application:</b>	SDS-PAGE		
<b>Storage &amp; Stability:</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. <b>Avoid repeated freezing and thawing cycles.</b>		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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