

SPECIFICATION SHEET

Product name PTH84 protein (His tag) **Catalog #:** L2K007

Protein description Recombinant full length mature Human PTH84

Molecular weight 16KD

Purity > 80% by SDS-PAGE Sepharose derived purification.

Concentration&Lot: 2.6mg/ml **Lot :** L180101

Storage buffer 0.01M PBS, 0.15M NaCl, pH 7.4

Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative None

Application ELISA ;WESTERN Used in diagnosis and of hyperparathyroidism .

Relevance PTH84 is a recently identified biomarker of hyperparathyroidism caused by hyperparathyroidism and Parathyroid function decline after surgery. Which is secreted by the parathyroid glands as a polypeptide containing 84 amino acids. It acts to increase the concentration of calcium in the blood, its properties as a bone formation stimulant, it increases bone turnover, stimulating osteoblasts and reducing both vertebral and non vertebral fractures. whereas calcitonin (a hormone produced by the parafollicular cells of the thyroid gland) acts to decrease calcium concentration. Normal plasma concentrations of PTH is about 1 ng/ml.

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