

Recombinant Human Calcitonin/CALCA Protein(C-6His, E. coli)

Cat.NO.: TP05499

3th Edition

Synonyms: Calcitonin; Katalcalcin; Calcitonin Carboxyl-Terminal Peptide; CCP; PDN-21; CALCA; CALC1

Description: Calcitonin is a secreted protein which belongs to the calcitonin family. Calcitonin is cleaved into the following two chains: Calcitonin and Katalcalcin. Katalcalcin is a potent plasma calcium-lowering peptide. Calcitonin is a 32-amino acid linear polypeptide hormone. Calcitonin acts to reduce blood calcium (Ca²⁺), opposing the effects of parathyroid hormone (PTH). Its importance in humans has not been as well established as its importance in other animals, as its function is usually not significant in the regulation of normal calcium homeostasis. Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones.

Form: PBS

Molecular Weight: 10.5 kDa

Sequences: Tyr58-Asn141

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.