

Recombinant Human PCT, His-tagged

Cat. No. PCT-80H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Procalcitonin Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 116 amino acids and a His tag with a molecular mass of 18.2kDa. Procalcitonin is purified by standard chromatography techniques.
Species	Human
Source	E.coli
Description	Endocrine cells of the lung. Under normal expression conditions, procalcitonin is immediately cleaved into three specific fragments, an N terminal residue, calcitonin and katacalcin. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock. Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of these ions in bone.
Form	Lyophilized from a 0.2 µm filtered solution in PBS (pH 7.4) with BSA as a carrier protein.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Applications	Western blotting, ELISA
Storage	Store under sterile conditions at -20°C. Upon reconstitution, recommend to aliquot

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the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.

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