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Product Data Sheet

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**Cat #** RP-608

Recombinant Human Procalcitonin

**Size:** 10 ug

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**Introduction:**

Procalcitonin (PCT) is a peptide hormone mainly produced by the C cells of the thyroid and certain 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.

**Description:**

Procalcitonin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 114 amino acids fragment (3-116) having a molecular mass of 17.13 kDa and an amino-terminal hexahistidine tag. The PCT is purified by standard chromatographic techniques (>95%). It is supplied in 10 mM BTP pH-9, 112mM NaCl, 50% glycerol and 0.01% NaN<sub>3</sub>as sterile filtered clear solution 0.23 mg/ml. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage..

**Stability:**

Store at 4 °C if entire vial will be used within 2-4 weeks.

Store, frozen at -20 °C for longer periods of time.

**Please prevent freeze-thaw cycles.**

**Usage:**

This item is for LABORATORY ESEARCH USE ONLY

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