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# Certificate of Analysis and Data Sheet

## Recombinant Human Procalcitonin, His6 Tagged

**Catalog No.**  
228-11318

**Source:**  
*Escherichia Coli.*

### ***Synonyms***

Procalcitonin, PCT.

### ***Introduction***

Procalcitonin 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.

### ***Physical Appearance***

Sterile Filtered clear solution.

### ***Formulation***

PCT is supplied in 1x PBS and 50% glycerol.

### ***Purity***

Greater than 95.0% as determined by

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### ***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.**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**