



Product Datasheet

Product Name	Procalcitonin Human Recombinant
Cata No	CB500743
Source	<i>Escherichia Coli.</i>
Synonyms	PCT.

Description

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.

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.

Purity

Greater than 95.0% as determined by:

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

Formulation

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

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.