

Procalcitonin Human, His

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.

Catalog #: HOPS-302

For research use only.

Synonyms: Procalcitonin, PCT.

Source: Escherichia Coli.

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 20mM Tris-HCl pH 8.0 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.

Usage:

The products are furnished for LABORATORY RESEARCH USE ONLY. The products may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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 katacalcine. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock.

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