
Product Data Sheet

Product Name: Procalcitonin Human

Cat. No.: GP21287

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Procalcitonin; PCT.		
Amino Acid Sequence	APFRSALESS PADPATLSED EARLLLAALV QDYVQMKASE LEQEQEREGS SLDSPRSKRC GNLSTCMLGT YTQDFNKFHT FPQTAIGVGA PGKKRDMSSD LERDHRPHVS MPQNaN.		
Solubility	It is recommended to reconstitute the lyophilized procalcitonin sterile 18MΩ-cm H ₂ O at 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from 10mM sodium phosphate pH-7.5.		

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

Biological Activity

Human Procalcitonin was tested using Biomerieux reagents on the Min-Vidas. The assay was run at 80ng/ml with a typical recovery of 80 percent.

Stability

Lyophilized procalcitonin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution procalcitonin should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw

Caution: Product has not been fully validated for medical applications. For research use only.

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cycles.

Background

Procalcitonin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 116 amino acids and having a molecular mass of 12.8 kDa. The Procalcitonin is purified by standard chromatographic techniques.

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