
Product Data Sheet

Product Name: Procalcitonin Rhesus
 Cat. No.: GP21291
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Calcitonin.		
Amino Acid Sequence	MKHHHHHHASAPFRSALESS PDPATLSEEE ARLLLAALVQ DYVQMKASEL EQEQETEGSS LDSPRSKRCG NLSTCMLGTY TQDFNKFHTF PQTAIGVGAP GKKRDMSSDL ERNRRRYVSM PQDAN.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Procalcitonin is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	Procalcitonin was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in 20mM Tris buffer and 50mM NaCl, 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 katacalcin. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

Procalcitonin Rhesus Recombinant produced in E.Coli is a single, non-glycosylated,

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polypeptide chain (Ala26-Asn140) containing 125 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 14kDa.

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