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## Product Data Sheet

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Product Name: Procalcitonin Porcine

Cat. No.: GP21292

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Calcitonin; Preprocalcitonin; Calca.		
Amino Acid Sequence	MKHHHHHHASTPLRSALETLPDPGPLSEKE GRLLLAALVK AYWQRKTNEL EQEQEQETEG SSLDSSRAKR CSNLSTCVLS AYWRNLNNFH RFSGMGFGPE TPGKKS DIAS SLERDLFPRG MPQDAN.		
Solubility	It is recommended to add 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 in 20mM TRIS and 50mM NaCl, pH 8.0.		

**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 Porcine Recombinant produced in E.Coli is a single, non-glycosylated,

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

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polypeptide chain (Thr26-Asn141) containing 126 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 14.1kDa.

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