

## 32-6626: Procalcitonin Porcine

**Alternative Name :** Calcitonin, Preprocalcitonin, Calca.

### Description

Source: Escherichia Coli.

Filtered White lyophilized (freeze-dried) powder.

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.

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

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** Procalcitonin was filtered (0.4µm) and lyophilized in 20mM TRIS and 50mM NaCl, pH 8.0. 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.

**Storage condition :** 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.

**Amino Acid :** MKHHHHHHASTPLRSALETL PDPGPLSEKE GRLLLAALVK AYVQRKTNEL EQEQEQETEG SSLDSSRAKR CSNLSTCVLS AYWRNLNNFH RFSGMGFGPE TPGKKS DIAS SLERDLFPRG MPQDAN.