

## 32-2066: caProcalcitonin Recombinant Protein

**Alternative Name :** Calcitonin, Calca, Calc, CCALCI.

### Description

Source : Escherichia Coli. Procalcitonin Canine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Ala26-Arg130) containing 115 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 12.7kDa. 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.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	Procalcitonin was filtered (0.4µm) and lyophilized in 20mM TRIS and 50mM NaCl, pH 7.2.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MKHHHHHHASAPFRSALEGL PDPTALSEKE GRLLLAALVK AYWQRKNELE QEQQETEGS SLDSSRAKRC SNLSTCVLGT YSKDLNMFHT FSGIGFGAET PGKKRDIASG LERGR.

### Application Note

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.