

**Procalcitonin**                      **Human, Recombinant, *E. coli*****Cat. No.:** RCP9063                      **Size:** 10µg**Synonym:** PCT; CALC1, Calcitonin precursor; Calcitonin pre-pro-protein.**Description:** 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.

Radox recombinant procalcitonin comprises a 114 amino acid fragment (3-116) corresponding to the unprocessed procalcitonin protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

**Form:** Liquid

Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

**Purity:** Single band on a western blot.**Reference(s):** Maruna, P *et al.*, (2000) *Physiol. Res.* **49 (1)**: S57-61.