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32-2067: rhProcalcitonin Recombinant Protein

Alternative Name : Calcitonin.

Description

Source : Escherichia Coli. Procalcitonin Rhesus Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Ala26-Asn140) containing 125 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 14kDa. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Procalcitonin was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in 20mM Tris buffer and 50mM NaCl, pH 7.5.
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 :	MKHHHHHHASAPFRSALESS PDPATLSEEE ARLLLAALVQ DYVQMKASEL EQEQETEGSS LDSPRSKRCG NLSTCMLGTY TQDFNKFHTF PQTAIGVGAP GKKRDMSSDL ERNRRRYVSM PQDAN.

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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.