

32-2063: Procalcitonin Recombinant Protein

Alternative Name : Procalcitonin,PCT.

Description

Source : Escherichia Coli. Procalcitonin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 116 amino acids and having a molecular mass of 12.8 kDa. The Procalcitonin is purified by standard chromatographic techniques. 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 katalcacin. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from 10mM Na ₂ PO ₄ pH-7.5.
Storage condition :	Lyophilized procalcitonin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution procalcitonin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	APFRSALESS PADPATLSED EARLLLAALV QDYVQMKASE LEQEQEREGRS SLDSPRSKRC GNLSTCMLGT YTQDFNKFHT FPQTAIGVGA PGKKRDMSSD LERDHRPHVS MPQAN.

Application Note

It is recommended to reconstitute the lyophilized procalcitonin sterile 18M^l-cm H₂O at 100 Åµg/ml, which can then be further diluted to other aqueous solutions. Human Procalcitonin was tested using Biomerieux reagents on the Min-Vidas. The assay was run at 80ng/ml with a typical recovery of 80 percent.

