

32-2065: mProcalcitonin Recombinant Protein

Alternative Name : Calcitonin, Calca, Calc.

Description

Source : Escherichia Coli. Procalcitonin Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Val26-Ser136) containing 121 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 13.6kDa. 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

Amount :	10 µg
Purification :	Greater than 94.0% as determined by SDS-PAGE.
Content :	Procalcitonin was filtered (0.4µm) and lyophilized 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 :	MKHHHHHHASVPLRSILESS PGMATLSEEE VRLLAALVQD YMQMKARELE QEEEQEAEGS SLDSPRSKRC GNLSTCMLGT YTQDLNKFHT FPQTSIGVEA PGKKRDVAKD LETNHQSHFG N.

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.