

CTGF Human

Recombinant Human Connective Tissue Growth Factor

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Overview

Synonyms CCN2, NOV2, HCS24, IGFBP8, MGC102839, CTGF, Connective Tissue Growth Factor.
Description CTGF Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 98 amino acids and having a molecular mass of 11.2 kDa.
The CTGF is purified by proprietary chromatographic techniques.
Source Escherichia Coli.

Properties

Physical Appearance Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation CTGF was Lyophilized from a sterile filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).
Purity Purity of CTGF is greater than 90% as determined by SDS-PAGE.
Amino acid sequence MGKKCIRTPK ISKPIKFELS GCTSMKTYRA KFCGVCTDGR CCTPHRTTTL PVEFKCPDGE VMKKNMMFIK TCACHYNCPG DNDIFESLYY RKMVGDMA.
Biological Activity Determined by the dose-dependent stimulation of the proliferation of HUVEC cells. The expected ED50 for this effect is 1-2µg/ml, corresponding to a specific activity of 500-1000units/mg.

Storage

Solubility It is recommended to reconstitute the lyophilized CTGF in sterile 18MΩcm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Stability Lyophilized CTGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CTGF 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.