

RPPB0144

Product Information Protein Information

Product SKU:

RPPB0144

Accession:

P29279

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

CCN2, NOV2, HCS24, IGFBP8, MGC102839, CTGF, Connective Tissue Growth Factor.

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.

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.

Amino Acid Sequence:

MGKKCIRTPK ISKPIKFELS GCTSMKTYRA KFCGVCTDGR CCTPHRTTTL PVEFKCPDGE VMKKNMMFIK
TCACHYNCPG DNDIFESLYY RKMYGDMA.

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.