

Connective Tissue Growth Factor Human Recombinant

Item Number	rAP-2164
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.
Uniprot Accession Number	P29279
Amino Acid Sequence	MGKKCIRTPK ISKPIKFELS GCTSMKTYRA KFCGVCTDGR CCTPHRTTTL PVEFKCPDGE VMKKNNMM- FIK TCACHYNCPG DNDIFESLYY RKMYGDMA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	CTGF was lyophilized from 1mg/ml solution containing 10mM NaAcetate buffer pH-6. Purity of CTGF is greater than 95% as determined by SDS-PAGE.
Application	
Solubility	Reconstitute at 0.1 mg/ml with 5mM NaAcetate, pH-6.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**