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32-12027: Human Connective Tissue Growth Factor

Gene :	CTGF
Gene ID :	1490
Uniprot ID :	P29279
Alternative Name :	CCN family member 2, Hypertrophic chondrocyte-specific protein 24, Insulin-like growth factor-binding protein 8, CCN2, HCS24, IGFBP8

Description

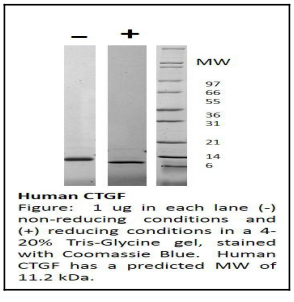
Source: Genetically modified E.coli.
Predicted MW: Monomer, 11.2 kDa (98 aa)
Connective tissue growth factor (CTGF) is a mitogen that is secreted by vascular endothelial cells in response to basic fibroblast growth factor (bFGF) or vascular endothelial growth factor (VEGF). CTGF promotes cell growth, migration, adhesion, and survival of endothelial cells. CTGF is also important during osteogenesis, chondrogenesis, and skeletogenesis. CTGF has an insulin-like growth factor binding protein (IGFBP) domain, a thrombospondin type 1 repeat (TSR) domain, and a C-terminal cysteine knot motif.

Product Info

Amount :	20 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 90%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	Â MGKKCIRTPKÂ ISKPIKFELSÂ GCTSMKTYRAÂ KFCGVCTDGRÂ CCTPHRTTTLÂ PVEFKCPDGEÂ VMKK NMMFIKÂ TCACHYNCPGÂ DNDIFESLYYÂ RKMYGDMA

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Human CTGF
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human CTGF has a predicted MW of 11.2 kDa.

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