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CTGF, human recombinant protein

Connective Tissue Growth Factor, CCN2, Hypertrophic chondrocyte-specific protein 24 (HCS24)

Catalog # PBV10360r

Specification

CTGF, human recombinant protein - Product info

Primary Accession	P29279
Calculated MW	**11.2 kDa KDa**

CTGF, human recombinant protein - Additional Info

Gene ID	**1490**
Gene Symbol	**CTGF**

Other Names

Connective Tissue Growth Factor, CCN2, Hypertrophic chondrocyte-specific protein 24 (HCS24), Insulin-like growth factor-binding protein 8

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**HPLC; ≥95%**
Recombinant	**Yes**
Results	**1.0–2.0 µg/ml**

Application Notes

Reconstitute in H_2O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

CTGF, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CTGF, human recombinant protein - Images

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CTGF, human recombinant protein - Background

CTGF is a member of the CCN family of secreted cysteine rich regulatory proteins and is the major mitogenic and chemoattractant protein produced by µmbilical vein and Vascular endothelial cells. CTGF stimulates the proliferation and differentiation of chondrocytes, induces angiogenesis, promotes cell adhesion of fibroblasts, endothelial, and epithelial cells, and binds to IGF, TGF β1, and BMP-4. Cell migration and adhesion are signaled through binding to specific cell surface integrins and to heparin sulfate proteoglycans CTGF (98 a.a.), a lower molecular weight isoform containing the C-terminal portion of the full length CTGF protein, exerts full heparin binding, cell adhesion, and mitogenic CTGF activity. Recombinant human CTGF is a 11.2 kDa protein of 98 amino acid residues.