

Biotinylated Recombinant Human CTGF/CCN2 Protein

Catalog No.: RP02759 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1490	Q5M8T4-1

Tags

C-His&Avi

Synonyms

IGFBP8; IBP-8; CCN2; NOV2; HCS24;
CTGF; CTGRP; Fisp12; MGC102839

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE

Endotoxin


Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Connective tissue growth factor (CTGF) is a member of the CCN matricellular protein family, consisting of four domains, that regulates the signaling of other growth factors and promotes kidney fibrosis. CTGF can simultaneously interact with several factors with its four domains. The microenvironment differs depending on the types of cells and tissues and differentiation stages of these cells.

Basic Information

Description

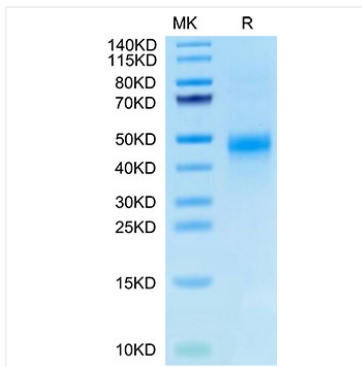
Recombinant Biotinylated Human CTGF/CCN2 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Gln27-Ala349.

Bio-Activity

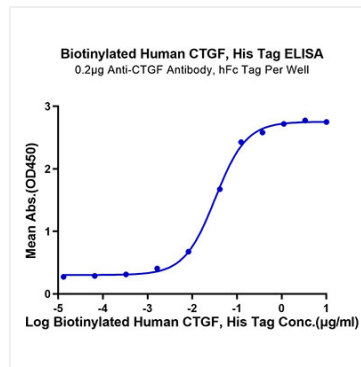
Storage

Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Biotinylated Human CTGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized Anti-CTGF Antibody at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CTGF, His Tag with the EC_{50} of 32.6ng/ml determined by ELISA.