

Biotinylated Recombinant Human CTGF/CCN2 Protein

Catalog No.: RP02759B Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 1490 O5M8T4-1

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.

Calculated MW Observed MW

38.4 kDa 43-53 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, 200 mM L-arginine, pH 7.4.

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 stablizer (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

Biotinylated Recombinant Human CTGF/CCN2 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln27-Ala349) of Human CTGF/CCN2 fused with a His and Avi tag at the C-terminal.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

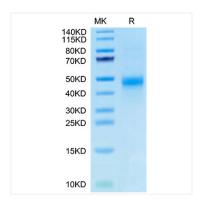
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

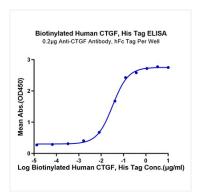
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Biotinylated Recombinant Human CTGF/CCN2 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Anti-CTGF Antibody at $2\mu g/ml$ (100 $\mu l/well$) on the plate. Dose response curve for Biotinylated Human CTGF, His Tag with the EC₅₀ of 32.6ng/ml determined by ELISA.