Biotinylated Recombinant Human CTGF/CCN2 Protein

Catalog No.: RP02759B

Sequence Information

Species
Human

Gene ID
1490

Swiss Prot
Q5M8T4-1

Tags
C-His&Avi

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW
38.4 kDa

Observed MW
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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

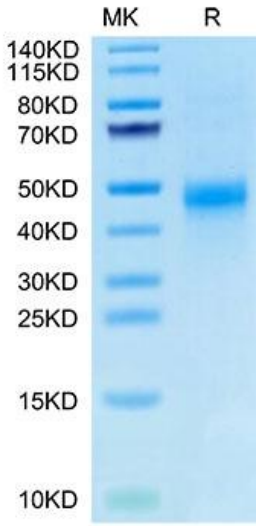
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

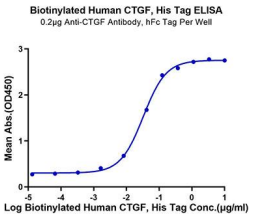
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Validation Data



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



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.