

Biotinylated Human CTGF/CCN2 Protein

Cat. No. CGF-HM401B



Description

Source	Recombinant Biotinylated Human CTGF/CCN2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gln27-Ala349.
Accession	Q5M8T4-1
Molecular Weight	The protein has a predicted MW of 38.4 kDa. Due to glycosylation, the protein migrates to 43-53 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

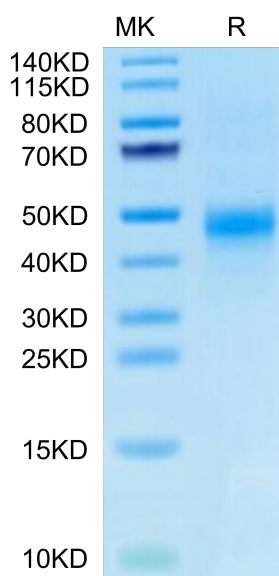
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

Assay Data

Bis-Tris PAGE

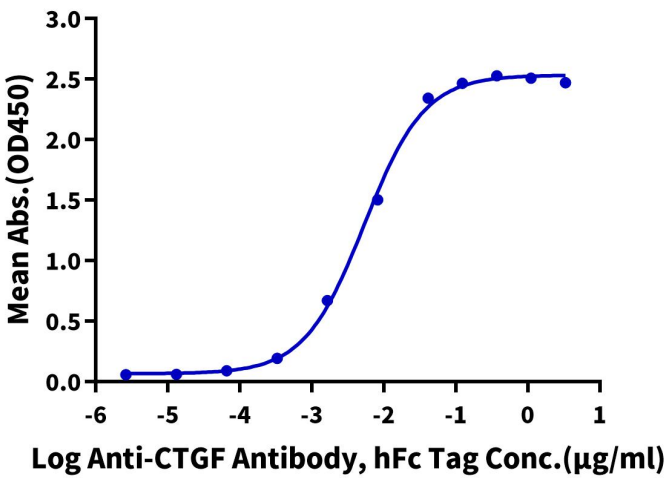


Biotinylated Human CTGF on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated Human CTGF, His-Avi Tag ELISA

0.1µg Biotinylated Human CTGF, His-Avi Tag Per Well



Immobilized Biotinylated Human CTGF, His-Avi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CTGF Antibody, hFc Tag with the EC50 of 5.4ng/ml determined by ELISA.