

Active Recombinant Human CTGF protein, His-Avi-tagged, Biotinylated

Cat. No. CTGF-2604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CTGF protein(Gln 27 - Ala 349), fused with His-Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln 27 - Ala 349
Form	Lyophilized from 0.22 µm filtered solution in Tris with Potassium glutamate and Arginine, pH7.0. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CTGF Protein, His,Avitag at 2 µg/mL (100 µL/well) on streptavidin precoated (0.2 µg/well) plate, can bind Monoclonal Anti-Human CTGF Antibody, Human IgG1 with a linear range of 0.6-5 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 39.2 kDa. The protein migrates as 40-42 kDa and 43-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	CTGF connective tissue growth factor [Homo sapiens]
Official Symbol	CTGF
Synonyms	CTGF; connective tissue growth factor; CCN2; IGFBP8; IBP-8; IGFBP-8; CCN family member 2; IGF-binding protein 8; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8; NOV2; HCS24; MGC102839;
Gene ID	1490
mRNA Refseq	NM_001901
Protein Refseq	NP_001892
MIM	121009
UniProt ID	P29279

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