

# Recombinant Human CTGF/CCN2 Protein (Fc Tag)

Catalog Number:PKSH032276



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

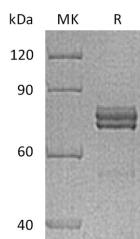
## Description

<b>Synonyms</b>	Connective tissue growth factor;CCN family member 2;Hypertrophic chondrocyte-specific protein 24;Insulin-like growth factor-binding protein 8;CTGF;IGFBP8
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln27-Ala349
<b>Accession</b>	Q5M8T4
<b>Calculated Molecular Weight</b>	62.6 kDa
<b>Observed molecular weight</b>	67-81 kDa
<b>Tag</b>	C-Fc

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

CTGF belongs to the CCN (CTGF/Cyr61/Cef10/NOVH) protein family; which is comprised of six secreted proteins that reside in the extracellular matrix (ECM). CTGF causes a variety of cellular responses including reduced cell adhesion and enhanced cell migration and proliferation. CTGF has also been shown to be essential for epithelial to mesenchymal transition (EMT); a process whereby normal functioning cells morph into ones that produce mainly scar tissue (of which collagen is the major protein component).

## For Research Use Only

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