antibodies

# Datasheet for ABIN7274343 CTGF Protein (AA 27-349) (His-Avi Tag,Biotin)





Overview

Quantity:	100 µg
Target:	CTGF
Protein Characteristics:	AA 27-349
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTGF protein is labelled with His-Avi Tag,Biotin.

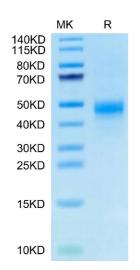
## Product Details

Purpose:	Biotinylated Human CTGF/CCN2 Protein
Sequence:	GIn27-Ala349
Characteristics:	Recombinant Biotinylated Human CTGF/CCN2 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains GIn27-Ala349.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu$ g by the LAL method.
Biological Activity Comment:	Immobilized Anti-CTGF Antibody at 2µg/ml (100µl/well) on the plate. Dose response curve for
	Biotinylated Human CTGF, His Tag with the EC50 of 32.6ng/ml determined by ELISA. See
	testing image for detail.

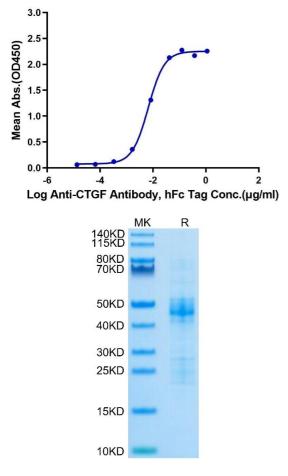
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## Target Details

consisting of four domains, that regulates the signaling of other growth factors and private with general factors with its four domains, that regulates the signaling of other growth factors and private methods. CTGF can simultaneously interact with several factors with its four domains, that increases of these cells.   Molecular Weight: 38.4 kDa. Due to glycosylation, the protein migrates to 43-53 kDa based on Tris-Bis P4   Pathways: Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase / Growth Factor Binding   Application Details Growth Factor Binding   Handling For Research Use only   Handling Centrifuge the tube before opening. Reconstituting to a concentration more than 100 recommended. Dissolve the lyophilized protein in distilled water.   Buffer: Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normal trehalose is added as protectant before lyophilization.   Storage: -20 °C, 80 °C   Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., 80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution, Recommend to aliquot the prote smaller quantities for optimal storage. Please minimize freeze-thaw cycles.		
Background: Connective tissue growth factor (CTGF) is a member of the CCN matricellular protein consisting of four domains, that regulates the signaling of other growth factors and pr kidney fibrosis CTGF can simultaneously interact with several factors with its four domains, that regulates the signaling of other growth factors and pr 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 differer stages of these cells.   Molecular Weight: 38.4 kDa. Due to glycosylation, the protein migrates to 43-53 kDa based on Tris-Bis P/P athways:   Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase / Growth Factor Binding   Application Details   Restrictions: For Research Use only   Handling   Format: Lyophillzed   Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 recommended. Dissolve the lyophillzed protein in distilled water.   Buffer: Lyophillzed from 0.22µm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normal trehalose is added as protectant before lyophillization.   Storage: -20 °C, 80 °C   Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt80°C for 3-6 months after reconstitution2-8°C for 2-7 days after reconstitutionRecommend to aliquot the prote smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Target:	CTGF
consisting of four domains, that regulates the signaling of other growth factors and private with several factors with its four domains, that regulates the signaling of other growth factors and private microenvironment differs depending on the types of cells and tissues and different stages of these cells.   Molecular Weight: 38.4 kDa. Due to glycosylation, the protein migrates to 43-53 kDa based on Tris-Bis P4   Pathways: Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase / Growth Factor Binding   Application Details For Research Use only   Handling Image: Parameter of the protein in distilled water.   Buffer: Lyophilized from 0.22µm filtered solution in distilled water.   Buffer: Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normal trehalose is added as protectant before lyophilization.   Storage: -20 °C, 60 °C   Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt, -80°C for 3-6 months after reconstitution, 2-8°C for 2-7 days after reconstitution, Recommend to aliquot the prote smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Alternative Name:	CTGF (CTGF Products)
Pathways: Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase / Growth Factor Binding   Application Details Eor Research Use only   Handling For Research Use only   Handling Eornat:   Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 recommended. Dissolve the lyophilized protein in distilled water.   Buffer: Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine (pH 7.4). Normal trehalose is added as protectant before lyophilization.   Storage: -20 *C, 80 *C   Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., 80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protes 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.
Application Details   Restrictions: For Research Use only   Handling   Format: Lyophilized   Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 recommended. Dissolve the lyophilized protein in distilled water.   Buffer: Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine ( pH 7.4). Normal trehalose is added as protectant before lyophilization.   Storage: -20 °C,-80 °C   Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Molecular Weight:	38.4 kDa. Due to glycosylation, the protein migrates to 43-53 kDa based on Tris-Bis PAGE result
Restrictions: For Research Use only   Handling   Format: Lyophilized   Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 recommended. Dissolve the lyophilized protein in distilled water.   Buffer: Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine ( pH 7.4). Normal trehalose is added as protectant before lyophilization.   Storage: -20 °C,-80 °C   Storage Comment: -20 °C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protest smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Pathways:	Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase Activity, Growth Factor Binding
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Reconstitution:Centrifuge the tube before opening. Reconstituting to a concentration more than 100 recommended. Dissolve the lyophilized protein in distilled water.Buffer:Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine ( pH 7.4). Normal trehalose is added as protectant before lyophilization.Storage:-20 °C,-80 °CStorage Comment:-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the prote smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Handling	
recommended. Dissolve the lyophilized protein in distilled water. Buffer: Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine ( pH 7.4). Normal trehalose is added as protectant before lyophilization. Storage: -20 °C,-80 °C Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the prote smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Format:	Lyophilized
Storage: -20 °C,-80 °C   Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protestimal storage. Please minimize freeze-thaw cycles.	Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protestimal storage. Please minimize freeze-thaw cycles.	Buffer:	Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the prote smaller quantities for optimal storage. Please minimize freeze-thaw cycles.	Storage:	-20 °C,-80 °C
Expiry Date: 12 months	Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
	Expiry Date:	12 months



Biotinylated Human CTGF, His Tag ELISA 0.1µg Biotinylated Human CTGF, His Tag Per Well



#### SDS-PAGE

**Image 1.** Biotinylated Human CTGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

### ELISA

**Image 2.** Immobilized Biotinylated Human CTGF, hFc Tag at 1  $\mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Anti-CTGF Antibody, hFc Tag with the EC50 of 6.6 ng/mL determined by ELISA.

#### SDS-PAGE

**Image 3.** Biotinylated Human CTGF on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the product details page for more images. Overall 4 images are available for ABIN7274343.

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